

Summary Assessment

Plant Services Degreasing Unit

SWMU Site Code

ANL-27

Physical Description

The Plant Services degreasing unit is a commercial (Micro Clean Model 300-1) cylindrical unit with a 15 gallon capacity.

The unit is made of 14 gauge steel. A pump delivers solvent through the metal flush hose. A 14 gauge expanded metal work shelf is above the tank.

Purpose and History

The degreasing and cleaning unit is used for degreasing tools and equipment belonging to Plant Services.

The tank was purchased and installed in Plant Services' General Shop (See attached drawing W7530-0101), approximately August, 1984 and up until July, 1986 a commercial solvent (Varco-Sol) was used as a degreasing agent. The solvent was periodically changed in house. Disposition of this material was in waste oil. The total volume disposed of was approximately 240 gallons

In 1986 a contract was entered into with a commercial corporation (Safety Kleen Corporation) to provide, exchange and handle a solvent known as Safety Kleen No. 105 Solvent MS. The Safety Kleen Corporation periodically collects the used solvent, which is a hazardous waste, and recycles it.

Liquid (provided by Safety Kleen) may be added by Plant Services personnel. In the event that liquid is removed from the tank, it is retained in a special container provided by Safety Kleen and removed from ANL-W by Safety Kleen.

Results of Initial Assessment

The Plant Services degreasing unit received a score of zero using a modified version of EPA's prioritizing system. From personnel interviews, there have been no releases to the environment from this unit. ANL-W disposed of the material, Varco Solvent, in waste oil prior to using Safety Kleen Solvent 105 MS.

Results of Summary Assessment

The Plant Services degreasing unit should be removed from the list of potential hazardous waste disposal sites because this unit is self contained, the unit is contained within Building 753 (See attached drawing W7530-0101) and there are no known releases from this unit to the drain located in the floor approximately 20 feet away or to the environment. This material was identified as being sent to either (1) the Central Facilities Area for disposal or (2) was contained in the drums found at ANL-W with unidentified liquid (41 drums) that were sampled and analyzed in 1986, or (3) was burned in the auxiliary boilers (this practice was discontinued in early 1986). The drums were disposed of as either hazardous waste, industrial waste or nonhazardous waste. Review of the INEL's Industrial Waste Management Information System (IWMIS) records (1984-85) indicates no solvents or waste oils were sent to CFA. The Plant Services' Waste Management Data, form WM-1, identifies no waste oil sent to CFA and no solvents disposed. The analyses on the 41 drums identified refined petroleum products (C-9 through C-12) in many of the drums. This indicates that the Varco Solvent disposed of in waste oil has a high probability of being part of the 41 drums before and definitely after discontinuing the burning of waste oil. It is recommended that no further compliance agreement related investigation be conducted for this unit.

The information and recommendation provided above are based on engineering drawings, interviews with personnel knowledgeable of the system and review of existing procedural controls. There is a drain located approximately 20 feet from the degreasing unit, but building personnel have stated that no hazardous constituents have been release from the unit to the environment. A copy of the Safety Kleen Corporation's hazardous waste manifest was also reviewed showing that Safety Kleen does pick up the used material.

Methods of Summary Assessment

A. Review of Engineering Drawings

1. W7530-0101-ED-00, (sheet 2 of 3), Proposed Plant Services Building Addition
2. W7530-0103 Series, 50 drawings, (sheet C1) Plant Services Building Addition - Bldg. 753

B. Personnel Interviews

1. B. A. Kienlen, Plant Services Manager, employed at ANL-W since 1961.

C. Review of Administrative Controls/Records

1. ANL-W Health & Safety Manual, Section VIII, Chapter 1,
"Waste Management"
2. ANL-W Health & Safety Manual, Section VIII, Chapter 5,
"Disposal of Nonradioactive Waste"
3. ANL-W Health & Safety Manual, Section VIII, Chapter 6,
"Hazardous Waste Disposal"
4. INEL Industrial Waste Management Information System
(IWMIS), 1980-1986
5. Waste Management Data Plant Services ANL-W, form WM-1,
1983 through August 1986

D. Inspection of Facility/Unit

1. Waste and Environmental Engineer, M. J. Holzemer

34/135

**ARGONNE
NATIONAL
LABORATORY**

INTRA-LABORATORY MEMO

AW-PS-(BAK)-04-89
February 14, 1989

To: M. J. Holzemer Waste and Environment
Engineer

From: B. A. Kienlen *B.A. Kienlen* Manager, Plant Services

Subject: Information of Plant Services' Degreasing Unit for Summary Assess-
Report

Reference: Memo, M. J. Holzemer to B. A. Kienlen Dated February 6, 1989, Same
Subject

In response to the referenced memo the below listed information is provided. The item response numbers correspond to the questions numbers in referenced memo.

General background: this degreasing unit was purchased approximately mid-year 1984, prior to that time Plant Service did not have a degreasing unit.

1. There has only been two types of solvent used in this degreasing unit; Safety Clean Solvent 105-MS presently is in use, MSDS attached and Varco Solvent is no longer used, Plant Services does not have a MSDS, possibly SS&S has a file copy.
 2. Plant Services has a Service Contract with Safety-Kleen for; servicing the unit, removal of used solvent, supplying new solvent (Safety-Kleen 105 Solvent-MS, MSDS attached) this service is provided on a quarterly basis.
 3. Posted on the unit is a placard listing; precautions, first aid and emergency response. This is a small self-contained unit and further administrative controls are not required.
 4. The only floor drain in this area is located approximately 20 feet from the unit. Building drawings do not show this drain. This drain is not connected to the site sanitary or industrial drain system. It is assumed that directly below the drain is a small Pit-Sump.

35 | 125

5. There have been no known spills from this unit. An occassional splash/drip has occurred, estimated less than 1 ounce, and these have been cleaned-up using rags and/or floor-dry.

- - -
BAK/slh
:-

Copies: C. S. Abrams
B. C. Gay
R. W. Hurzeler
D. S. Kirschner
P. Mikolaycik
B. S. Secrist
W. E. Stephens
R. J. Teunis
L. C. Witbeck
File

36/135

ARGONNE
NATIONAL
LABORATORY

RECEIVED

FEB 19 89

INTRA-LABORATORY MEMO

Attn: M.J. Holzemer
Safety Services & Configuration
AW-PS-(BAK)-08-89
February 24, 1989

To: M.J. Holzemer
From: B.A. Kienlen
Subject: Supplementary Information on Plant Services' Degreasing Unit for Summary Assessment Report.
Reference: (a) Letter, M.J. Holzemer to B.A. Kienlen, ANL-W-SSS-(MJH)-89-02, dated February 14, 1989; Information on Plant Services' Degreasing Unit for Summary Assessment Report.
(b) Letter, B.A. Kienlen to M.J. Holzemer, AW-PS-(BAK)-04-89, dated February 14, 1989, Same subject.

ROUTE TO: Inlet & Date
C. E. Miller _____ Waste and Environment
W. P. Johnson _____ Engineer
D. S. Abrams _____
L. C. Witbeck _____ Manager, Plant Services
FILE: _____

Reference (a) requested information concerning the Plant Services' degreasing unit. Reference (b) provided the requested information relative to the use of the solvent Safety Kleen, including a copy of the MSDS sheet. This letter forwards additional information on the only other solvent used in the degreaser.

As identified in Reference (a), prior to use of the Safety Clean solvent, a solvent called Varco was used from the installation of the unit in approximately August of 1984, until July, 1986 when a service contract was established for the Safety Clean solvent currently in use. The period of use of the Varco solvent was approximately 23 months. Used Varco solvent was added to the bulk-waste oil drum. When this drum became full it was disposed of in one of the following three ways:

- * Shipped off the ANL-W Site;
- * Put into the open storage area North of the Supply Building (Building 781) and then subsequently shipped off the ANL-W Site in approximately 1987; or
- * The waste oil drum contents was burned in the auxiliary boiler (a practice that was discontinued several years ago).

There is no record of the actual disposition of this used solvent as disposal records were not kept in this time period. It should be noted that some solvent was lost due to evaporation, and was deposited on rags during normal cleaning evolutions. However, other than this minor loss, all Varco solvent was added to the bulk-waste oil drum.

BCG/bcg

cc: C.S. Abrams
B.C. Gay
R.W. Hurzeler
D.S. Kirschner
P. Mikolaycik

B.S. Secrist
W.E. Stephens
R.J. Teunis
L.C. Witbeck
File

87/195

MATERIAL SAFETY DATA SHEET

SAFETY-KLEEN CORP.

7 Big Timber Rd.

Elgin, IL 60120



IDENTITY (As Used on Label and List)
105 Solvent-MS

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate this.

Section I Part #6617

Manufacturer's Name
Safety-Kleen Corp.
Address (Number, Street, City, State, and ZIP Code)
777 Big Timber Road

Emergency Telephone Number
312/697-8460
Telephone Number for Information
312/697-8460

Elgin, Illinois 60120

Date Prepared
11/6/85
Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limit Recommended	% (optional)
Mineral Spirits	500 ppm	100 ppm	-	99.9+
Dye	Unk.	Unk.	-	0.003
Anti-Static Agent	Unk.	Unk.	100 est.	1 ppm

Section III — Physical/Chemical Characteristics

Boiling Point	310-400°F	Specific Gravity (H ₂ O = 1)	0.775-0.795
Vapor Pressure (mm Hg)	@ 68°F	Melting Point	N/A
Vapor Density (AIR = 1)	4.9	Evaporation Rate (Toluene = 10)	0.2

Solubility in Water

Negligible.

Appearance and Odor

Clear green liquid with characteristic hydrocarbon odor.

Section IV — Fire and Explosion Hazard Data

Frost Point (Method Used)	105°F TCC	Flammability Limit	LEL 0.7	UEL 6.0
---------------------------	-----------	--------------------	---------	---------

Extinguishing Media

CO₂, foam, dry chemical, water (mist only)

Special Fire Fighting Procedures

None.

Fire and Explosion Hazards

None.

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	X Heat, sparks, flame and fire.

Incompatibility (Materials to Avoid)

Strong oxidizing agents.

Hazardous Decomposition or Byproducts

Normally none; however, incomplete burning may yield carbon monoxide.

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	X

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? yes	Skin? no	Ingestion? yes
--------------------	--------------------	-------------	-------------------

Health Hazards (Acute and Chronic)

Skin - can cause drying of skin. Eyes - severe irritant. Inhalation - excessive inhalation can cause headache, dizziness and nausea. Ingestion - harmful or fatal if swallowed.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
------------------	------	------------------	-----------------

Not a known or potential carcinogen.

Signs and Symptoms of Exposure

Drying of skin, eye irritation, headache, dizziness, nausea.

Medical Conditions

Worsened Aggravated by Exposure Unknown.

Emergency and First Aid Procedures

Skin - Wash with soap and water. Eyes - Irrigate with water. Inhalation - Remove to fresh air source and call a physician. Ingestion - DO NOT induce vomiting. Call a physician.

Section VII — Precautions for Safe Handling and Use**Steps to Be Taken in Case Material is Released or Spilled**

Catch and collect for recovery as soon as possible. Avoid exposure to sparks, fire, flame, hot surfaces.

Waste Disposal Method

Dispose of in accordance with company, local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Combustible. Keep away from heat, sparks, flame. Use with adequate ventilation. Avoid long and repeated contact with skin. If clothes are inadvertently saturated with solvent.

Other Precautions

DO NOT SMOKE - keep away from ignition sources. Keep out of reach of children.

Section VIII — Control Measures**Respiratory Protection (Specify Type)**

Self-contained breathing apparatus for concentrations above TLV limits.

Ventilation	Local Exhaust Normal room ventilation.	Spills	None.
	Mechanical (General) None.	Other	None.

Protective Gloves In cases of prolonged contact, wear rubber gloves.

Eye Protection Yes - eyeglasses, safety glasses.

Other Protective Clothing or Equipment

N/A

Wash/Hygiene Practices

Do not smoke while using this solvent.

39/135

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME VARCO CHEMICAL CORP.	EMERGENCY TELEPHONE NO. 800-932-0320 IN N.J. 800-526-4748
ADDRESS (Number, Street, City, State, and ZIP Code) PO BOX 1257/452 HUDSON TERRACE, ENGLEWOOD CLIFFS, N.J. 07632	TRADE NAME AND SYNONYMS VARCO-SOLV #212
CHEMICAL NAME AND SYNONYMS	
CHEMICAL FAMILY	FORMULA 30595

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLCYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
MINERAL SPIRITS RULE 66	CAS 64742-88-7			45	500
PERCHLOROETHYLENE	CAS 127-18-4			20	100
METHYLENE CHLORIDE	CAS 75-09-2			20	200
1,1,1 TRICHLOROETHANE	CAS 71-55-6			15	350

SECTION III - PHYSICAL DATA

BODING POINT (°F.)	104°F	SPECIFIC GRAVITY (H ₂ O=1)	
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	HEAVIER	EVAPORATION RATE (_____=1)	SLOWER THAN ETHER
SOLUBILITY IN WATER		WT PER GAL.	8.05
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE AT BOILING POINT/50% EVAP	FLAMMABLE LIMITS 115°F	Lel	Uel
EXTINQUISHING MEDIA DRY CHEMICAL FOAM OR CO₂			
SPECIAL FIRE FIGHTING PROCEDURES			
NONE			
UNUSUAL FIRE AND EXPLOSION HAZARDS			
NONE			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

STEL 265 PPM

EFFECTS OF OVEREXPOSURE

HEADACHE, NAUSEA, SKIN IRRITATION

EMERGENCY AND FIRST AID PROCEDURES

SKIN: FLUSH WITH SOAP & WATER. EYES: FLUSH WITH WATER FOR 15 MIN.

GET MEDICAL ATTN. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTN.

INHALATION: REMOVE PERSON TO FRESH AIR.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	XX	

INCOMPATABILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS PHOSGENE. HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	XX	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

STOP SPILL AT SOURCE, PUMP INTO SALVAGE TANK.

WASTE DISPOSAL METHOD

LIQUID INCINERATOR IF LOCAL REGULATIONS PERMIT.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

AS NEEDED

VENTILATION RECOMMENDED	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	RECOMMENDED	EYE PROTECTION RECOMMENDED
OTHER PROTECTIVE EQUIPMENT	AS NEEDED	

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

NORMAL STORAGE

OTHER PRECAUTIONS

41/155

P88729

777 BIG TIMBER ROAD • EL
INDUS 89020

GENERATOR/LOCATION

BIL. NO (IF DIFFERENT FROM LOCATION)

NAME: APPROVAL NATIONAL LABORATORY INC
ADDRESS: PO BOX 2528
ADDRESS:
CITY & STATE: ZORRO PARKS IDAHO
ZIP: 83401-
USA EPA ID NO.
STATE ID NO.

NAME:
ADDRESS:
ADDRESS:
CITY & STATE:
ZIP:
MANIFEST NUMBER:

DATE PLACED	MACHINE SERIAL NO.	BRANCH	TYPE OF OUTLET	MAKE AND MODEL OF EQUIPMENT
7-11-86	530-88729	1783-08		AVANEL

Safety-Kleen agrees to furnish clean solvent service and solvent removal service on cleaning equipment owned by customer at the above location. Safety-Kleen is not responsible for repair or maintenance of such equipment. Solvent servicing and removal shall be performed by Safety-Kleen only. Customer agrees to indemnify Safety-Kleen against any loss or claim arising from any personal injury or property damage, however caused, resulting from the placement or use of the machine on the customer's premises. Safety-Kleen is not responsible for any violation, loss or claim arising from non-compliance with pollution control laws caused by release of solvent to the environment from the unit and resulting from improper customer handling including, but not limited to spills into adjacent waterways, sewer lines or ground water, however caused. However, Safety-Kleen accepts responsibility for any spill solely caused by its agents in connection with the installation or servicing of the machine by Safety-Kleen.

DATE OF CONFIRMATION	SALES REP. NO.	SALES SPECIALIST	DATE OF FIRST SCHEDULED SERVICE CALL	BLITZ CODE	P/W TAX %	C.O.M.S. TAX %	PROD. TAX %	CHAIN	SVC P/S	PROD P/S
7-11-86	3171		WEEK 40		.05	8	.05	AC		
SERVICE INTERNAL (MEMO)	CUSTOMER'S P.O. NUMBER		SALES TAX EXEMPTION NO.		GENERATOR/CUSTOMER TELEPHONE NUMBER AREA CODE			SPECIAL HANDLING CREDIT CODE		
12	IF 42976				2081526-7801					

SERVICE CHARGE	TAX	TOTAL	I ACKNOWLEDGE THAT I HAVE NO OBLIGATION TO PURCHASE SERVICE ON SAID EQUIPMENT FROM ANY THIRD PARTY, AND I ACCEPT THE FOREGOING TERMS AND ACKNOWLEDGE FIRST SERVICE. PRICES ARE SUBJECT TO CHANGE. X	GENERATOR/CUSTOMER SIGNATURE REQUIRED
77.50	SX	77.50		

UNIFORM HAZARDOUS WASTE MANIFEST INFORMATION

(12) CONTAINERS	Pails No. DM	16 Gal No. DM	30 Gal No. DM	(11) US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
				Waste, Petroleum Naphtha, Combustible Liquid, UN 1255
				Waste, Compound, Cleaning, Liquid, Corrosive Material, NA 1760

(13) (14) Total Quantity = Number of Drums x Ave. Wt/Drum of: Pails #, 16 Gal #, 30 Gal #

(9) DESIGNATED FACILITY NAME AND ADDRESS: SAFETY-KLEEN CORP.	USA EPA ID No.
	STATE ID No.

PRODUCT SALES SECTION

PRODUCT NUMBER	DESCRIPTION	DEALER PRICE	UNIT OF MEASURE	QUANTITY DELIVERED	SALES AMOUNT	TAX	LINE TOTAL
Call	Bruce Kisenen Svc.						

PAYMENT RECEIVED SECTION		
CASH <input type="checkbox"/>	TOTAL RECEIVED	APPLY PAYMENT TO:
CHECK NUMBER		<input type="checkbox"/> TODAY'S SERVICE/SALE <input type="checkbox"/> PREVIOUS BALANCE AS FOLLOWS
INV. #	AMOUNT \$	
INV. #	AMOUNT \$	
INV. #	AMOUNT \$	

TOTAL PRODUCT ORDER AMOUNT	\$
TOTAL MACHINE SERVICE AMOUNT (INCLUDING TAX)	\$ 77.50
COMS SIGN-UP CHARGE	\$ 5.00
CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION. ALSO I HAVE NOTED THE PRESENCE OF MACHINE, SOLVENT, AND GENERATOR'S CERTIFICATION INFORMATION ON THE REVERSE SIDE.	
TOTAL DUE	\$ 82.50

NOTE: (3) (9) (11) (12) (13) (14) (16)

CORRESPONDS TO RESPECTIVE ITEM INFORMATION
REQUIRED ON UNIFORM HAZARDOUS WASTE MANIFEST
PLEASE SEE REVERSE SIDE FOR IMPORTANT INFORMATION

INVOICES ARE SUBJECT TO AN INTEREST CHARGE OF THE LESSER OF 1% PER MONTH (1% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY UNPAID INVOICES THAT ARE NOT PAID WITHIN 30 DAYS.

IN THE EVENT OF DEFAULT, SAFETY-KLEEN SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION INCLUDING REASONABLE ATTORNEYS FEES.

42/135

OPERATOR OF
ARGONNE NATIONAL LABORATORY
P.O. Box 2621, Idaho Falls, Idaho 83404
(CONTRACT NO. W-31-107-ENG-38)

IDAHO FACILITY

Requisition and Authorization #4951 indicates the Purchase Order Number as:
Washington, D.C., Territories, etc. Also, State or Contract Item #4951 appears on location.

PURCHASE ORDER IF.

4-2976
7/8/86
FOR INFORMATION ON THIS ORDER, PLEASE
CALL 1 (208) 526-7254

To: Safety Kleen
P.O. Box 7804
Boise, ID 83701 Attn: Joe Herrick

FO & TERMS
Destination
CASH TERMS
Net 30 Days

ITEM	QUANTITY	BUYER	Shannen, Jerome II	UNIT PRICE	TOTAL
12 Month Service				\$ 324.65	

STANDING ORDER - 1986

Provide Safety Kleen Solvent Service for (15) gallon Micro Clean 300 parts washing machine plus a (15) gallon bulk supply, every 12 months.

Solvent to be removed and replaced on a (3) month interval. Supply MSIG sheet on initial service. Vendor to be responsible for any spills incurred during service procedure and while on-sites.

NOTE: ANL-II is included on INFL Large Quantity Hazardous Waste Generator EPA Permit ID#K390003952.

1-2
1-1
1-1

TO BE RECEIVED BY

6/17/86

SELLER'S REFERENCE

SHIP TO: ARGONNE NATIONAL LABORATORY, IDAHO FACILITY
FOR THE UNITED STATES DEPARTMENT OF ENERGY.

EPA-II Site, Scandale, ID 83403

SHIP VIA:

Vendor

ITEM No.	COST CODE	AMOUNT	PA CODE	REQUISITION NUMBER	ACQUISITIONER
01099-03-558-304		\$324.65	207300	132052	H. Bourne/B. Kienlen Del to: H.F. Lee 753

IDAHO OPERATIONS OFFICE
U. S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

FOR JANUARY THROUGH DECEMBER 1980

MUN DATE: 03/06/81
PG 1 APR 406-1
ANL

DISPENSAL OR STURAGE LOCATION

TYPE OF WASTE JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

VOLUME OR WEIGHT BY MONTH TOTALS

ANL WILTERS

DISPENSED WASTE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
6 L LIQUID WASTE OIL	64.4	215.8	41.6	60.6	45.4	75.7	227.1	257.4	219.5	111	111	1,207.5	

CTA IMCA

DISPOSED WASTE

6 L LIQUID
CHEMICALS-VISCUSINE

6 KG SOLID
CHEMICALS-BULKIC ACID

9 L LIQUID
HEAVY ASPHALT

9 L LIQUID
OIL , SOLVENTS

9 L LIQUID
ULQ PAINT

9 L LIQUID
SAUERSESEN

9 L LIQUID
SAUERSESEN RESIN CEMENT

9 L LIQUID
1AR

9 KG SOLID
BURON NITRADE

9 KG SOLID
BURON SILICIDE

9 KG SOLID
VERSING

208.2

362.9

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

208.2

.9

25.0

2.3

44/135

CTA LANDFILL

DISPOSED WASTE

	1 M SOLID	2 M SOLID	3 M SOLID	4 M SOLID	5 M SOLID	6 L LIQUID	8 KG SOLID	9 M SOLID							
	276.8	220.2	244.7	246.2	239.3	152.9	317.3	249.3	282.9	214.1	214.1	2093.2	214.1	214.1	2093.2
	55.1	36.7	48.9	48.9	50.5	55.1	30.6	72.6	48.9	42.8	42.8	588.0	42.8	42.8	588.0
	4.2				1.5	30.6	7.6	2.3	9.9	.4	.4	56.6	2.3	.4	56.6
					18.4	50.5	12.2	132.3	22.9	30.6	30.6	430.5	22.9	30.6	430.5
					6.9	4.6	3.1	4.6	4.6	1	1	26.0	4.6	1	26.0
									624.6						
										217.7					
											217.7				
												42.1			
												265.7			
												29.1			
												316.8			

**DOE OPERATIONS OFFICE
U. S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
INTEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM**

**ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1981**

PG 1 APR 404-1
AM

TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOLUME OR WEIGHT BY MONTH	
													TONS	TONS
ANL BULLETS														
UNSPUSED WASTE														
6 t LIQUID														
WASTE OIL														
V L LIQUID														
WASTE OIL														
UFA HUMA														
UNSPUSED WASTE														
9 t LIQUID														
TURCO 5865														
UFA LANDFILL														
UNSPUSED WASTE														
1 t SOLID	473.7		183.3		201.4		215.6		264.6		168.2		237.0	
2 t SOLID	55.1		36.7		55.1		42.0		50.5		40.9		56.7	
3 t SOLID	.4				48.9		42.0		50.5		40.9		56.7	
4 t SOLID					48.9		55.1		50.5		40.9		56.7	
5 t SOLID							42.0		50.5		40.9		56.7	
6 t SOLID									50.5		40.9		56.7	
7 t LIQUID	6.1		3.1				18.4		25.2		19.1		26.6	
8 t LIQUID	208.2						6.1		11.5		7.6		28.1	
QUANTUM CLEANING SOLUTION							6.1		4.6		7.6		28.1	
9 t SOLID														
ASPHALT AND CEMENTITE														
9 t SOLID														
ASPHALT														
9 t SOLID														
ASPHALT AND CEMENTITE														
4 t SOLID														
KUM BRO														
9 t SOLID														
SWIMMING														
9 t SOLID														
UNBULKED PLASTIC														
UFA OIL DRIP														
STICKED WASTE														
6 t LIQUID														
UFA														
UNAN TOTALS														
UNSPUSED WASTE														
1 t SOLID	215.7		183.3		201.4		215.6		264.6		168.2		237.0	
2 t SOLID	55.1		36.7		55.1		42.0		50.5		40.9		56.7	
3 t SOLID	.4				48.9		55.1		50.5		40.9		56.7	

45/135



P.O. BOX 1625, IDAHO FALLS, IDAHO 83415

May 27, 1983

DISTRIBUTION

IWMIS CY 1982 YEAR-END REPORTS - HMB-27-83

At the end of each year the INEL Industrial Waste Management Information System (IWMIS) is reviewed, amended where necessary, and the data file closed. Attached is the revised IWMIS for your area of interest. These reports supersede the previously issued 1982 data.

Very truly yours,

H. M. Batchelder *bc*

H. M. Batchelder, Group Leader
Waste Information Program of Operations
Waste Management Programs Division

HMB:sjh

Attachment:
As Stated

Distribution

<u>EG&G Idaho</u>	<u>ENICO</u>
H. M. Batchelder	D. R. Alexander
R. N. Beatty	B. R. Dickey
R. H. Beers (w/o Attach)	W. S. Nechodom
J. N. Casanova	B. R. Wheeler
C. A. Furniss	
A. L. Kologi	<u>All Others</u>
J. W. McCaslin	R. J. Beers, DOE-ID
R. A. Montgomery	E. W. Chew, DOE-ID
S. M. Nanninga	C. E. Clark, ENICO
R. E. Peterson	T. D. Enyeart, WEC
W. R. Pigott	E. Maestas, DOE-ID
R. F. Remsen	T. D. May, IBO-NRF
F. E. Stoll	J. F. O'Brien, Mountain State Energy
	J. B. Whitsett, DOE-ID
	M. M. Williamson, DOE-ID
	L. C. Witbeck, ANL-W

cc: R. W. Kiehn, EG&G Idaho (w/o Attach)

46/135

IDAHO OPT. LIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INTEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/26/83

ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 116-1
ANL

DISPOSAL OR FLOWBACK LOCATION	TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH												REC	TOTALS
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	REC		
ANL BUILDERS	DISPOSED WASTE														
6 L LIQUID	37.9	219.4	22.7	458.0	26.9	9.5	2316.6	1044.5	33.0						4,275.5
WASTEF OIL															
CFA LANDFILL	DISPOSED WASTE														
1 H SOLID	229.0	163.7	219.1	214.1	183.5	244.7	206.5	192.7	122.3	336.9	122.3	202.6	2,452.2		
2 H SOLID	48.9	36.7	36.7	42.8	48.9	48.9	42.8	42.8	67.3	24.5	42.8	561.6			
3 H SOLID												0.6		3.1	
SCRAP LIPWFF															
4 H SOLID															
CIMENT															
5 H SOLID															
4FT TAILINGS															
5 H SOLID															
SCRAP MNTL															
5 H SOLID															
5 H SOLID															
5 H SOLID															
TIP															
9 H SOLID															
ASPHALT															
9 H SOLID															
ROOFING															
GRAND TOTALS	DISPOSED WASTE														
1 H SOLID	229.0	163.7	219.1	214.1	183.5	244.7	206.5	192.7	122.3	336.9	122.3	202.6	2,452.2		
2 H SOLID	48.9	36.7	36.7	42.8	48.9	48.9	42.8	42.8	67.3	24.5	42.8	561.6			
3 H SOLID												0.6		3.1	
4 H SOLID														432.6	
5 H SOLID														28.3	
6 L LIQUID	6.1	37.9	219.4	22.7	458.0	26.9	9.5	2316.6	1044.5	33.0	2.3	3.1	4.6		
7 H SOLID												63.3	4,275.5		
												7.6		11.3	

47/135



P.O. BOX 1625, IDAHO FALLS, IDAHO 83415

August 23, 1984

DISTRIBUTION

LOW-LEVEL WASTE MANAGEMENT PROGRAM, IWMIS CY 1983 YEAR-END REPORTS - EAJ-163-84

At the end of each year the INEL Industrial Waste Management Information System (IWMIS) is reviewed, amended where necessary, and the data file closed. Attached is the revised IWMIS for your area of interest. These reports supersede the previously issued 1983 data.

Very truly yours,

A handwritten signature in black ink.

E. A. Jennrich, Program Manager
Low-Level Waste Management

GBC:lj

Attachment:
As Stated

Distribution

EG&G Idaho

R. N. Beatty
J. N. Casanova
C. A. Furniss
S. J. Hult
R. D. Johnson
A. L. Kologi
J. W. McCaslin
R. A. Montgomery
K. S. Moor
R. E. Peterson
W. R. Pigott
R. F. Remsen
F. E. Stoll

WINCO

D. R. Alexander, WINCO
K. R. Krivanek, WINCO
R. C. Mairson, WINCO
J. J. Volpe, WINCO
B. R. Wheeler, WINCO

All Others

R. J. Beers, DOE-ID
G. C. Bowman, DOE-ID
T. M. Bradley, IBO-NRF
E. W. Chew, DOE-ID
T. D. Enyeart, WEC
M. J. Hall, Mountain State Energy
M. M. Williamson, DOE-ID
L. C. Witbeck, ANL-W

cc: J. O. Zane, EG&G Idaho (w/o attach)

48/135

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM
ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1983

06/CS/84

RPT 116-1
AHL

DISPENSAL OR STORAGE LOCATION		VOLUME OR WEIGHT BY MONTH												
	TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ANL PRELIMS														
CFA HMDA	DISPENSED WASTE													
	6 L LIQUID WASTE OIL	340.7	45.4											
		140.1	75.7	68.1	813.8	113.6	435.3						503.4	
													2,536.2	
													13.6	
CFA LANDFILL	DISPENSED WASTE													
	9 KG SOLID													
	THO SMOKE BOMBS (15# EACH)													
													13.6	
CFA LANDFILL	DISPENSED WASTE													
1 P SOLID	275.3	168.2	214.1	260.0	183.5	202.6	214.1	276.0	191.2	168.2	240.9	145.3	2,539.4	
2 P SOLID	55.1	36.7	36.7	55.1	36.7	12.2	42.8	12.2	36.7	36.7	48.9	24.9	424.3	
3 P SOLID						6.1		8.4			4.6		15.1	
SCRAP LUMBER														
3 W SOLID														
SCRAP IRCO														
4 P SOLID														
CONCRETE														
5 W SOLID														
BUCKET AND METAL SHAVINGS														
6 P SOLID	3.1													
METAL SHAVINGS														
6 P SOLID														
SCRAP MFTAL														
9 P SOLID	4.4													
ASBESTICS														
9 P SOLID														
ASPHALT														
9 P SOLID														
NON-ASBESTICS INSULATION														
9 P SOLID														
ACCFLAC														
CFA 621	STRANED WASTE													
	9 KG SOLID													
	3 PCA CAPACITORS													

42/135
212.2

ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1983

06/09/84
RPT 116-1
ANL

DISPENSER STORAGE LOCATION	WASTE ON HEAT IN MONTH											TOTALS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GRAND TOTALS												
DISPENSED WASTE												
1 P SOLID	275.3	168.2	214.1	260.0	163.5	202.6	214.1	276.0	191.2	168.2	240.5	145.3
2 P SCOLID	55.1	36.7	36.7	55.1	36.7	12.2	42.8	12.2	36.7	36.7	40.9	24.5
3 P SCOLID												4.6
4 P SCOLID												36.4
5 P SCOLID												46.6
6 L 1 LIQUID	340.7	45.4	3.1	140.1	3.1	7.6	7.6	68.1	613.6	435.3	3.1	28.3
9 KG SCOLID												2.936.2
9 P SCOLID												13.6
STRAFFED WASTE												172.6
9 KG SCOLID												212.2

L = LITERS K = KILOGRAMS

50/135



P.O. BOX 1625, IDAHO FALLS, IDAHO 83415

February 15, 1985

DISTRIBUTION

LOW-LEVEL WASTE MANAGEMENT PROGRAM BRANCH, IWMIS DECEMBER 1984 REPORT -
EAJ-41-85

Transmitted herewith is the INEL Industrial Waste Management Information System
(IWMIS) report for December 1984.

Very truly yours,

A handwritten signature in black ink.

E. A. Jennrich, Program Manager
Low-Level Waste Management

DLL:dh

Attachment:
As Stated

Distribution

EG&G Idaho

R. M. Beatty
J. M. Casanova
J. L. Clark
C. A. Furniss
S. J. Hult
R. D. Johnson
A. L. Kologi
R. A. Montgomery
K. S. Moor
R. E. Peterson
W. R. Pigott
R. F. Remsen
F. E. Stoll

WINCO

D. R. Alexander, WINCO
K. R. Krivanek, WINCO
R. C. Mairson, WINCO
J. J. Volpe, WINCO
B. R. Wheeler, WINCO

All Others

R. J. Beers, DOE-ID
G. C. Bowman, DOE-ID
T. M. Bradley, IBO-NRF
E. W. Chew, DOE-ID
T. D. Enyeart, WEC
M. J. Hall, Mountain State Energy
M. M. Williamson, DOE-ID
L. C. Witbeck, ANL-W

cc: J. O. Zane, EG&G Idaho (w/o attach)

SI/135

IDaho Operations Office
United States Department of Energy
INEL Industrial Waste Management Information System
ANL Industrial Waste Summary
FOR JANUARY THROUGH DECEMBER 1984

01/23/85

RPT 116-I
ANL

DISPOSAL OR STORAGE LOCATION		VOLUME OR WEIGHT BY MONTH						TOTALS					
	TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANL BOILERS													

DISPOSED WASTE
6 L LIQUID
WASTE OIL

227.1 94.6 492.1 321.8 473.2 624.6 56.8 2,290.1

CFA LANDFILL

DISPOSED WASTE		VOLUME OR WEIGHT BY MONTH						TOTALS					
	TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 M SOLID	SOLID	195.0	191.2	244.7	198.8	152.9	175.9	166.3	94.8	168.2	145.3	179.7	141.5
2 M SOLID	SOLID	42.8	36.7	48.9	48.9	30.6	36.7	36.7	33.6	52.0	52.0	42.8	47.4
3 M SOLID	SOLID							2.3					2.3
SCRAP LUMBER													
4 M SOLID	SOLID								21.4				21.4
ASPAALT													
4 M SOLID	SOLID									1532.3			1,532.3
ASPHALT													
4 M SOLID	SOLID										6.1		6.1
CCNCRETE BLOCKS													
5 M SOLID	SOLID										3.1		3.1
METAL FILINGS													
5 M SOLID	SOLID										3.1		3.1
METAL SHAVINGS													
5 M SOLID	SOLID								0.8				
SCRAP METAL													
9.2													
CFA SCRAPYARD													
DISPOSED WASTE													
5 M SOLID	SOLID										30.6		30.6
SCRAP METAL DUMPSTER													
30.6													
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	SOLID	195.0	191.2	244.7	198.8	152.9	175.9	166.3	94.8	168.2	145.3	179.7	141.5
2 M SOLID	SOLID	42.8	36.7	48.9	48.9	30.6	36.7	36.7	33.6	52.0	52.0	42.8	47.4
3 M SOLID	SOLID							2.3					2.3
4 M SOLID	SOLID								21.4				
5 M SOLID	SOLID									1532.3			1,532.3
6 L LIQUID	LIQUID	227.1	94.6	492.1	9.2	30.6	321.8	0.8	473.2	624.6	3.1		
M = CUBIC METERS L = LITERS K = KILOGRAMS													

52/185

04/18/86

UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

**ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1985**

RPT 116-1
ANL

DISPOSAL OR STORAGE LOCATION TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH												TOTALS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ANL BOILERS DISPOSED WASTE 6 L LIQUID WASTE OIL	6.5												6.5
ANL BOILERS DISPOSED WASTE 6 L LIQUID WASTE OIL	378.5	79.5	586.7	283.9	208.2	208.2	26.5	590.5	56.8	2,418.8			
CFA LANDFILL DISPOSED WASTE 1 M SOLID 2 M SOLID				179.7	179.7	179.7	24.5	179.7	179.7	179.7	179.7	179.7	1,041.5
CFA LANDFILL DISPOSED WASTE 1 M SOLID 2 M SOLID 3 M SOLID 5 M SOLID 5 M SOLID METAL SHAVINGS 5 M SOLID SCRAP METAL 9 M SOLID	99.4	183.5	214.1	145.3	61.2	149.1	108.6	122.3	137.6	6.1	122.3	1,349.6	9.2
BOXES OF ASBESTOS 9 M SOLID LIGHTING ARRESTOR 9 M SOLID ROOF TEAROFF	4.6	3.8	1.5	1.5	3.1	3.1	3.1	7.6	3.8	1.5	3.1	36.2	43.6
	11.5			1.5									
	16.8	15.3											

531/85

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1985

RPT 116-II
ANL

DISPOSAL OR STORAGE LOCATION	TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH												TOTALS
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GRAND TOTALS														
DISPOSED WASTE														
1 M SOLID		99.4	183.5	179.7	214.1	145.3	61.2	149.1	108.6	122.3	137.6	6.1	122.3	1,529.3
2 M SOLID		30.6	18.4	24.5	42.8	36.7	13.8	21.4	36.7	33.6	24.5	9.2	282.9	9.2
3 M SOLID														
5 M SOLID														
6 L LIQUID		4.6	6.5	378.5	79.5	3.8	1.5	3.1	3.1	3.1	1.9.1	2,425.3		
9 M SOLID														

N = CUBIC METERS L = LITERS K = KILOGRAMS

SA/135

UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1986

RPT 116-I
ANL

DISPOSAL OR STORAGE LOCATION TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH												TOTALS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CFA LANDFILL DISPOSED WASTE													
1 M SOLID	110.9	122.3	137.6	87.9	97.1	122.3	152.9	84.9	122.3	168.2	122.3	122.3	800.6
1 H SOLID													650.7
TRASH													
2 M SOLID	6.1	24.5	30.6	18.4	6.1								
2 H SOLID													
CAFETERIA													
2 M SOLID													
CAFETERIA GARBAGE													
3 M SOLID													
WOOD AND SCRAP LUMBER	68.8	9.9	9.2	3.8									
4 M SOLID													
CONCRETE													
4 M SOLID													
MASONRY AND CONCRETE													
4 M SOLID													
MASONRY, CONCRETE													
5 M SOLID													
METAL													
5 M SOLID													
METAL SHAVINGS													
9 M SOLID													
ASPHALT													
9 M SOLID													
BERYLLIUM OXIDE													
9 M SOLID													
CARPET SCRAPS													
9 M SOLID													
DIESEL FUEL SOLIDIFIED													
9 M SOLID													
EMPTY CONTAINERS													
9 M SOLID													
EMPTY 55-GAL DRUMS													
9 M SOLID													
FLUORESCENT LIGHT TUBES													
9 M SOLID													
OTHERS													
9 M SOLID													
PLASTIC													
9 M SOLID													
STEEL AND CONCRETE PLUGS													
	7.6												
	7.6												
	7.6												

55/135

UNITED STATES DEPARTMENT OF ENERGY
 INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

ANL INDUSTRIAL WASTE SUMMARY
 FOR JANUARY THROUGH DECEMBER 1986

RPT 116-I
 ANL

56/185

DISPOSAL OR STORAGE TYPE OF WASTE	LOCATION	VOLUME OR WEIGHT BY MONTH												TOTALS
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GRAND TOTALS														
1 M SOLID		110.9	122.3	137.6	87.9	97.1	122.3	152.9	84.9	122.3	168.2	122.3	122.3	1,451.3
2 M SOLID		6.1	24.5	30.6	18.4	6.1	26.0	18.4	31.4	24.5	24.5	24.5	24.5	216.4
3 M SOLID		68.8	9.9	9.2	3.8	9.2	3.8	101.7	30.6	6.9	104.8	104.8	104.8	104.8
4 M SOLID		2.3						2.7			169.8	169.8	169.8	169.8
5 M SOLID		9	22.9	9.2	45.9	0.8	0.8	2.3	1.5	0.8	7.3	7.3	7.3	7.3
M = CUBIC METERS L = LITERS K = KILOGRAMS											91.1	91.1	91.1	91.1

**WASTE MANAGEMENT DATA
PLANT SERVICES ANL-WEST**

Form WM-1 (Rev #5)

Month of August, 19 86

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>8/16/86</u>	<u>325,536</u> gallons
(date)		
B. Sanitary Waste Analysis sample collected	<u>8/16/86</u>	<u>1,129,769</u> gallons
(date)		
C. Production Well Volume		<u>20,297,000</u> gallons
D. Boiler Blowdown Volume		<u>600</u> gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to:	L & O Facility	<input type="checkbox"/>	(check one)	<u>3,000</u> gallons
	RLWTF Facility	<input checked="" type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....				<u>---</u> gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>246</u>			<u>1,000</u> gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>935</u>			<u>2,000</u> gallons
A.4. Bldg. 768, Batch No. Power Plant				<u>---</u> gallons
A.5. Bldg. 774, Batch No. ZPPR.....				<u>---</u> gallons
A.6. Bldg. 785, Batch No. HFEF/N.....				<u>---</u> gallons
A.7. Bldg. 793, Batch No. SCMS.....				<u>---</u> gallons
B. Total untreated volume to I.W. Drains				<u>1,705</u> gallons
B.1. Bldg. 720, Batch No. TREAT.....	<u>54</u>			<u>625</u> gallons
B.2. Bldg. 774, Batch No. ZPPR.....				<u>---</u> gallons
B.3. Bldg. 785, Batch No. HFEF/N.....	<u>117</u>			<u>1,080</u> gallons
B.4. Bldg. 768, Batch No. Power Plant				<u>---</u> gallons
B.5. Bldg. 765, Batch No. HFEF/S.....				<u>---</u> gallons
C. Total volume processed in RLWTF, Building 798				<u>1,111</u> gallons
C.1. RLWTF, Batch No. 99				<u>111</u> gallons
C.2. RLWTF, Batch No. 100				<u>1,000</u> gallons
C.3. RLWTF, Batch No. ---				<u>---</u> gallons
C.4. RLWTF, Batch No. ---				<u>---</u> gallons
C.5. RLWTF, Batch No. ---				<u>---</u> gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite		<u>-0-</u> pounds
B. Na ₃ PO ₄ - Phosphate		<u>1.1</u> pounds
C. Na OH - Caustic		<u>1.4</u> pounds
D. Betz NEUTREMEEN		<u>-0-</u> gallons

IV. OIL

A. Fuel Oil used (Auxiliary Boilers)		<u>789</u> gallons
B. Fuel Oil purchased for Building 721		<u>0</u> gallons

Comments: _____

R.W.Hungerford
Signature

9/24/86

Date

RWH/MJH:vms 6/3/86

57/135

**WASTE MANAGEMENT DATA
PLANT SERVICES ANL-WEST**

Form WM-1 (Rev #5)

Month of July, 1986

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>7/05/86</u>	<u>338,128</u> gallons
	(date)	
B. Sanitary Waste Analysis sample collected	<u>7/05/86</u>	<u>1,276,413</u> gallons
	(date)	
C. Production Well Volume		<u>15,297,000</u> gallons
D. Boiler Blowdown Volume		<u>600</u> gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/>	<u>0</u> gallons
RLWTF Facility <input type="checkbox"/>	
A.1. Bldg. 720, Batch No. TREAT.....	<u>----</u> gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>----</u> gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>----</u> gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>----</u> gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>----</u> gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>----</u> gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>----</u> gallons
B. Total untreated volume to I.W. Drains	<u>0</u> gallons
B.1. Bldg. 720, Batch No. TREAT.....	<u>----</u> gallons
B.2. Bldg. 774, Batch No. ZPPR.....	<u>----</u> gallons
B.3. Bldg. 785, Batch No. HFEF/N.....	<u>----</u> gallons
B.4. Bldg. 768, Batch No. Power Plant	<u>----</u> gallons
B.5. Bldg. 765, Batch No. HFEF/S.....	<u>----</u> gallons
C. Total volume processed in RLWTF, Building 798	<u>2,000</u> gallons
C.1. RLWTF, Batch No. 97	<u>1,000</u> gallons
C.2. RLWTF, Batch No. 98	<u>1,000</u> gallons
C.3. RLWTF, Batch No. --	<u>----</u> gallons
C.4. RLWTF, Batch No. --	<u>----</u> gallons
C.5. RLWTF, Batch No. --	<u>----</u> gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>0.9</u> pounds
B. Na ₃ PO ₄ - Phosphate	<u>1.3</u> pounds
C. Na OH - Caustic	<u>2.5</u> pounds
D. Betz NEUTREMEEN	<u>0.5</u> gallons

IV. OIL

A. Fuel Oil used (Auxiliary Boilers)	<u>15,084</u> gallons
B. Fuel Oil purchased for Building 721	<u>----</u> gallons

Comments: _____

Ruth Langeler
Signature

8/04/86
Date

RWH/MJH:vms 6/3/86

58 | 135

**WASTE MANAGEMENT DATA
PLANT SERVICES ANL-WEST**

WM-1 (Rev #5)

Month of June, 1986

.. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>6/1/86</u>	<u>291,360</u> gallons
	(date)	
B. Sanitary Waste Analysis sample collected	<u>6/1/86</u>	<u>1,376,975</u> gallons
	(date)	
C. Production Well Volume		<u>19,044,000</u> gallons
D. Boiler Blowdown Volume		<u>300</u> gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>4,910</u> gallons
	<input checked="" type="checkbox"/>		

A.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>	<u>-----</u> gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>245</u>	<u>1,060</u> gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>934</u>	<u>1,550</u> gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>---</u>	<u>-----</u> gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>---</u>	<u>-----</u> gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>	<u>-----</u> gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>20</u>	<u>2,300</u> gallons
 B. Total untreated volume to I.W. Drains		
B.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>	<u>1,000</u> gallons
B.2. Bldg. 774, Batch No. ZPPR.....	<u>---</u>	<u>-----</u> gallons
B.3. Bldg. 785, Batch No. HFEF/N.....	<u>116</u>	<u>1,000</u> gallons
B.4. Bldg. 768, Batch No. Power Plant	<u>---</u>	<u>-----</u> gallons
B.5. Bldg. 765, Batch No. HFEF/S.....	<u>---</u>	<u>-----</u> gallons
 C. Total volume processed in RLWTF, Building 798		
C.1. RLWTF, Batch No. <u>94</u>		<u>2,421</u> gallons
C.2. RLWTF, Batch No. <u>95</u>		<u>1,000</u> gallons
C.3. RLWTF, Batch No. <u>96</u>		<u>357</u> gallons
C.4. RLWTF, Batch No. <u>--</u>		<u>1,064</u> gallons
C.5. RLWTF, Batch No. <u>--</u>		<u>-----</u> gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>0.5</u> pounds
B. Na ₃ PO ₄ - Phosphate	<u>0.0</u> pounds
C. Na OH - Caustic	<u>0.5</u> pounds
D. Betz NEUTREMEN	<u>0.0</u> gallons

IV. OIL

A. Fuel Oil used (Auxiliary Boilers)	<u>2,440</u> gallons
B. Fuel Oil purchased for Building 721	<u>0</u> gallons

Comments: _____

Rudiger
Signature

7/1/86

Date

RWH/MJH:vms 6/3/86

691/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected <u>5/3/86</u>	<u>311,392</u> gallons
(date)	
B. Sanitary Waste Analysis sample collected <u>5/3/86</u>	<u>1,377,896</u> gallons
(date)	
C. Production Well Volume	<u>12,329,000</u> gallons
D. Boiler Blowdown Volume	<u>300</u> gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/>	(check one)	<u>800</u> gallons
RLWTF Facility <input checked="" type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....	---	---
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>244</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	---	gallons
A.4. Bldg. 768, Batch No. Power Plant	---	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---	gallons
A.7. Bldg. 793, Batch No. SCMS.....	---	gallons
B. Total feed tanks evaporated (Batch numbers _____)	<u>0</u>	number
C. Total volume evaporated	<u>0</u>	gallons
D. Total untreated volume to I.W. Drains	<u>1,550</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>53</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>115</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	---	gallons
E. Total evaporator condensate to I.W. Drains	<u>0</u>	gallons
F. Total volume to I.W. Drains (Line D + E)	<u>1,550</u>	gallons
G. Total volume processed in RLWTF, Building 798	<u>911</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>2.5</u> pounds
B. NA ₃ PO ₄ - Phosphate	<u>2.0</u> pounds
C. Na OH - Caustic	<u>0.9</u> pounds
D. Betz NEUTREEMEN	<u>0.75</u> gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>38,869</u> gallons
B. Fuel oil purchased for Buildings 721	<u>0</u> gallons
C. Oil to waste oil storage CFA	<u>0</u> gallons
D. Solvents disposed of	<u>0</u> gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>0</u> gallons

Comments: * Section II, line G consists of Batch 93 (Batch 244 from HFEF/S -
gauge in error)

Signature

Ruth Kuehne

6/2/86

Date

RWH/GPD:epb 7/7/8

60/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>4/14/86</u>	<u>323,712</u>	gallons
	(date)		
B. Sanitary Waste Analysis sample collected	<u>4/14/86</u>	<u>1,022,650</u>	gallons
	(date)		
C. Production Well Volume		<u>8,624,000</u>	gallons
D. Boiler Blowdown Volume		<u>800</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>2,600</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....		-----		gallons
A.2. Bldg. 765, Batch No. HFEF/S.....		-----		gallons
A.3. Bldg. 752, Batch No. L & O.....		<u>933</u>		gallons
A.4. Bldg. 768, Batch No. Power Plant		-----		gallons
A.5. Bldg. 774, Batch No. ZPPR.....		-----		gallons
A.6. Bldg. 785, Batch No. HFEF/N.....		<u>N/A**</u>		gallons
A.7. Bldg. 793, Batch No. SCMS.....		-----		gallons
B. Total feed tanks evaporated				
(Batch numbers _____)				number
C. Total volume evaporated				
D. Total untreated volume to I.W. Drains				
D.1. Bldg. 720, Batch No. TREAT.....		<u>52</u>		gallons
D.2. Bldg. 774, Batch No. ZPPR.....		<u>---</u>		gallons
D.3. Bldg. 785, Batch No. HFEF/N.....		<u>114</u>		gallons
D.4. Bldg. 768, Batch No. Power Plant		<u>---</u>		gallons
E. Total evaporator condensate to I.W. Drains				
F. Total volume to I.W. Drains (Line D + E)				
G. Total volume processed in RLWTF, Building 798				*

III CHEMICALS:

A. Na SO ₃ - Sulfite		<u>1.2</u>	pounds
B. NA ₃ PO ₄ - Phosphate		<u>2.5</u>	pounds
C. Na OH - Caustic		<u>3.9</u>	pounds
D. Betz NEUTREMEEN		<u>0.9</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		<u>51,025</u>	gallons
B. Fuel oil purchased for Buildings 721		-----	gallons
C. Oil to waste oil storage CFA		-----	gallons
D. Solvents disposed of		-----	gallons
E. Waste oil used as fuel oil in auxiliary boilers		-----	gallons

Comments: * Section II, line G consists of Batches 90, 91 & 92

** Dedicated tank in RLWTF - no Batch Data available from HFEF/N, RLWTF Batch No. is 92

Signature

R. W. Hengeler

5/1/86
Date

RWH/GPD:epb 7/7/83

61/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>-----</u>	<u>246,832</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>-----</u>	<u>1,114,157</u>	gallons
(date)			

C. Production Well Volume	<u>13,591,000</u>	gallons
D. Boiler Blowdown Volume	<u>500</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>3,720</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			

A.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>	<u>-----</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>---</u>	<u>-----</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>932</u>	<u>1,920</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>---</u>	<u>-----</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>---</u>	<u>-----</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>	<u>-----</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>19</u>	<u>1,800</u>	gallons

B. Total feed tanks evaporated	<u>(Batch numbers _____)</u>	<u>0</u>	number
--------------------------------	------------------------------	----------	--------

C. Total volume evaporated	<u>0</u>	gallons
----------------------------	----------	---------

D. Total untreated volume to I.W. Drains	<u>0</u>	gallons
--	----------	---------

D.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>	<u>-----</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>---</u>	<u>-----</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>	<u>-----</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>---</u>	<u>-----</u>	gallons

E. Total evaporator condensate to I.W. Drains	<u>0</u>	gallons
---	----------	---------

F. Total volume to I.W. Drains (Line D + E)	<u>0</u>	gallons
---	----------	---------

G. Total volume processed in RLWTF, Building 798	<u>4,798</u>	gallons*
--	--------------	----------

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>2.1</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>1.5</u>	pounds
C. Na OH - Caustic	<u>2.8</u>	pounds
D. Betz NEUTREMEN	<u>0.37</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>13,009</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>359</u>	gallons
C. Oil to waste oil storage CFA	<u>0</u>	gallons
D. Solvents disposed of	<u>0</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>0</u>	gallons

Comments: * Section II, Line G consists of Batches 84 thru & Including 89.

Signature

RW Mangels

Date

4/1/86

RWH/GPD:epb 7/7/83

62 | 135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>-----</u>	<u>240,112</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>-----</u>	<u>1,482,062</u>	gallons
(date)			
C. Production Well Volume		<u>7,419,000</u>	gallons
D. Boiler Blowdown Volume		<u>800</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)		
RLWTF Facility	<input checked="" type="checkbox"/>		<u>2,500</u>	gallons
A.1. Bldg. 720, Batch No. TREAT.....	<u>-----</u>		<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>-----</u>		<u>-0-</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>-----</u>		<u>-0-</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>-----</u>		<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>-----</u>		<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>-----</u>		<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>18</u>		<u>2,500</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)			<u>---</u>	number
C. Total volume evaporated			<u>---</u>	gallons
D. Total untreated volume to I.W. Drains			<u>750</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>51</u>		<u>750</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>-----</u>		<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>-----</u>		<u>-0-</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>-----</u>		<u>-0-</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>-0-</u>	gallons
F. Total volume to I.W. Drains (Line D + E)			<u>750</u>	gallons
G. Total volume processed in RLWTF, Building 798			<u>1,000</u>	gallons *

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>0.3</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>1.9</u>	pounds
C. Na OH - Caustic	<u>2.5</u>	pounds
D. Betz NEUTREMEEN	<u>0.8</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>70,540</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u>	gallons

Comments: *Line G of Section II consists of Batch 83

Signature

Date

3/4/86

RWH/GPD:epb 7/7/83

63/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>-----</u>	<u>238,864</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>-----</u>	<u>1,305,192</u>	gallons
(date)			

C. Production Well Volume	<u>-----</u>	<u>10,693,000</u>	gallons
D. Boiler Blowdown Volume	<u>-----</u>	<u>500</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/>	<u>-----</u>	<u>2,625</u>	gallons
RLNTF Facility <input checked="" type="checkbox"/>	(check one)		
A.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>	<u>-----</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>243</u>	<u>915</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>931</u>	<u>1,710</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>---</u>	<u>-----</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>---</u>	<u>-----</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>	<u>-----</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>---</u>	<u>-----</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)		<u>-----</u>	number
C. Total volume evaporated		<u>-----</u>	gallons
D. Total untreated volume to I.W. Drains		<u>1,740</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>50</u>	<u>640</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>---</u>	<u>-----</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>113</u>	<u>1,100</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>---</u>	<u>-----</u>	gallons
E. Total evaporator condensate to I.W. Drains		<u>-----</u>	gallons
F. Total volume to I.W. Drains (Line D + E)		<u>1,740</u>	gallons
G. Total volume processed in RLNTF, Building 798		<u>2,625</u>	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>6.7</u>	pounds
B. Na ₃ PO ₄ - Phosphate	<u>1.75</u>	pounds
C. Na OH - Caustic	<u>1.1</u>	pounds
D. Betz NEUTREMEEN	<u>0.3</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>49,333</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>373</u>	gallons
C. Oil to waste oil storage CFA	<u>-----</u>	gallons
D. Solvents disposed of	<u>-----</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-----</u>	gallons

Comments: * Line G of Section II Consists of Batches 80, 81 & 82

Signature

RW Hargrave

Date

2/3/86

RWH/GPD:epb 7/7/83

64 | 135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	----- (date)	229,312 gallons
B. Sanitary Waste Analysis sample collected	----- (date)	883,675 gallons
C. Production Well Volume		13,672,000 gallons
D. Boiler Blowdown Volume		500 gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	650 gallons
RLWTF Facility	<input checked="" type="checkbox"/>	
A.1. Bldg. 720, Batch No. TREAT.....	---	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	---	gallons
A.3. Bldg. 752, Batch No. L & O.....	---	gallons
A.4. Bldg. 768, Batch No. Power Plant	---	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---	gallons
A.7. Bldg. 793, Batch No. SCMS.....	17	gallons
B. Total feed tanks evaporated (Batch numbers -----)	---	number
C. Total volume evaporated	---	gallons
D. Total untreated volume to I.W. Drains	---	gallons
D.1. Bldg. 720, Batch No. TREAT.....	---	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	---	gallons
D.4. Bldg. 768, Batch No. Power Plant	---	gallons
E. Total evaporator condensate to I.W. Drains	---	gallons
F. Total volume to I.W. Drains (Line D + E)	---	gallons
G. Total volume processed in RLWTF, Building 798	2,240	gallons*

III CHEMICALS:

A. Na SO ₃ - Sulfite	1.2	pounds
B. NA ₃ PO ₄ - Phosphate	0.5	pounds
C. Na OH - Caustic	1.4	pounds
D. Betz NEUTREMEN	0.8	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	26,660	gallons
B. Fuel oil purchased for Buildings 721	0	gallons
C. Oil to waste oil storage CFA	---	gallons
D. Solvents disposed of	---	gallons
E. Waste oil used as fuel oil in auxiliary boilers	15	gallons

Comments: *Section II, line G consists of Batches 77, 78 & 79.

Signature

R.W. Shugler

Date

01/03/86

RWH/GPD:epb 7/7/83

65/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	---	258,896	gallons
(date)			
B. Sanitary Waste Analysis sample collected	---	475,353	gallons
(date)			
C. Production Well Volume		10,552,000	gallons
D. Boiler Blowdown Volume		700	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	5,450	gallons
RLWTF Facility	<input checked="" type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....	---	-----	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	242	1,000	gallons
A.3. Bldg. 752, Batch No. L & O.....	930	1,750	gallons
A.4. Bldg. 768, Batch No. Power Plant	---	-----	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---	-----	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---	-----	gallons
A.7. Bldg. 793, Batch No. SCMS.....	16	2,700	gallons
B. Total feed tanks evaporated (Batch numbers _____)		-----	number
C. Total volume evaporated		-----	gallons
D. Total untreated volume to I.W. Drains		1,200	gallons
D.1. Bldg. 720, Batch No. TREAT.....	49	1,200	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---	-----	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	---	-----	gallons
D.4. Bldg. 768, Batch No. Power Plant	---	-----	gallons
E. Total evaporator condensate to I.W. Drains		-----	gallons
F. Total volume to I.W. Drains (Line D + E)		1,200	gallons
G. Total volume processed in RLWTF, Building 798		3,580	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite	0.75	pounds
B. Na ₃ PO ₄ - Phosphate	2.0	pounds
C. Na OH - Caustic	10.5	pounds
D. Betz NEUTREMEEN	0.6	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	53,102	gallons
B. Fuel oil purchased for Buildings 721	353	gallons
C. Oil to waste oil storage CFA	-----	gallons
D. Solvents disposed of	-----	gallons
E. Waste oil used as fuel oil in auxiliary boilers	156	gallons

Comments: * Section II line G consists of Batches 73, 74, 75 & 76

Signature



Date

12/4/85

RWH/GPD:epb 7/7/83

66/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>10/12/85</u>	<u>305,280</u>	gallons
	(date)		
B. Sanitary Waste Analysis sample collected	<u>10/12/85</u>	<u>758,429</u>	gallons
	(date)		
C. Production Well Volume		<u>15,406,000</u>	gallons
D. Boiler Blowdown Volume		<u>200</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	<u>1,994</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....	-----		gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	-----		gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>929</u>		gallons
A.4. Bldg. 768, Batch No. Power Plant	-----		gallons
A.5. Bldg. 774, Batch No. ZPPR.....	-----		gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	-----		gallons
A.7. Bldg. 793, Batch No. SCMS.....	-----		gallons
B. Total feed tanks evaporated (Batch numbers)		<u>94</u>	gallons
C. Total volume evaporated		-----	number
D. Total untreated volume to I.W. Drains		-----	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>48</u>		gallons
D.2. Bldg. 774, Batch No. ZPPR.....	-----		gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>112</u>		gallons
D.4. Bldg. 768, Batch No. Power Plant	-----		gallons
E. Total evaporator condensate to I.W. Drains		-----	gallons
F. Total volume to I.W. Drains (Line D + E)		<u>1,920</u>	gallons
G. Total volume processed in RLWTF, Building 798		<u>3,019</u>	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite		<u>2.0</u>	pounds
B. NA ₃ PO ₄ - Phosphate		<u>1.0</u>	pounds
C. Na OH - Caustic		<u>0</u>	pounds
D. Betz NEUTREEMEN		<u>0</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		<u>10,807</u>	gallons
B. Fuel oil purchased for Buildings 721		<u>0</u>	gallons
C. Oil to waste oil storage CFA		<u>0</u>	gallons
D. Solvents disposed of		<u>0</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers		<u>7.0</u>	gallons

Comments: *Section II, Line G consists of Batches 69, 70, 71, & 72

Signature

Ruth Langley

Date

11/1/85

RWH/GPD:epb 7/7/83

67/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	9/8/85	319,328	gallons
	(date)		
B. Sanitary Waste Analysis sample collected	9/8/85	744,631	gallons
	(date)		
C. Production Well Volume		12,896,000	gallons
D. Boiler Blowdown Volume		4,000	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/>	(check one)	2,000	gallons
RLWTF Facility <input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	-----	-----	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	240 & 241	2,000	gallons
A.3. Bldg. 752, Batch No. L & O.....	-----	-----	gallons
A.4. Bldg. 768, Batch No. Power Plant	-----	-----	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	-----	-----	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	-----	-----	gallons
A.7. Bldg. 793, Batch No. SCMS.....	-----	-----	gallons
B. Total feed tanks evaporated (Batch numbers _____)		-----	number
C. Total volume evaporated		-----	gallons
D. Total untreated volume to I.W. Drains		-----	gallons
D.1. Bldg. 720, Batch No. TREAT.....	-----	-----	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	-----	-----	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	-----	-----	gallons
D.4. Bldg. 768, Batch No. Power Plant	-----	-----	gallons
E. Total evaporator condensate to I.W. Drains		-----	gallons
F. Total volume to I.W. Drains (Line D + E)		-----	gallons
G. Total volume processed in RLWTF, Building 798		1,393	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite	7.1	pounds
B. NA ₃ PO ₄ - Phosphate	7.0	pounds
C. Na OH - Caustic	13.7	pounds
D. Betz NEUTREMEEN	0.3	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	30,880	gallons
B. Fuel oil purchased for Buildings 721	-0-	gallons
C. Oil to waste oil storage CFA	-----	gallons
D. Solvents disposed of	-----	gallons
E. Waste oil used as fuel oil in auxiliary boilers	55	gallons

Comments: * Sect. II Line G consists of Batches 67 & 68

Note: Excessive Blr. blowdown & chemical useane due to annual draining,
cleaning, inspection & refilling of Aux. Boilers.

Rudiger
Signature

Date

10/1/85

RWH/GPD:epb 7/7/83

68 | 135

Month of August, 1985**I. NON-RADIOACTIVE LIQUIDS:**

A. Industrial Waste Analysis sample collected	<u>8/11/85</u>	<u>335,968</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>8/11/85</u>	<u>444,448</u>	gallons
(date)			
C. Production Well Volume		<u>19,414,000</u>	gallons
D. Boiler Blowdown Volume		<u>600</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/>	(check one)	<u>2,895</u>	gallons
RLWTF Facility <input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	---	-----	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	239	<u>1,100</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	928	<u>1,425</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	7	<u>370</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---	-----	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---	-----	gallons
A.7. Bldg. 793, Batch No. SCMS.....	---	-----	gallons
B. Total feed tanks evaporated (Batch numbers _____)		-----	number
C. Total volume evaporated		-----	gallons
D. Total untreated volume to I.W. Drains		<u>1,573</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	---	-----	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	10	<u>493</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	111	<u>1,080</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	---	-----	gallons
E. Total evaporator condensate to I.W. Drains		-----	gallons
F. Total volume to I.W. Drains (Line D + E)		<u>1,573</u>	gallons
G. Total volume processed in RLWTF, Building 798		<u>2,430</u>	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>0.9</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>0.9</u>	pounds
C. Na OH - Caustic	<u>1.4</u>	pounds
D. Betz NEUTREMEEN	<u>0.25</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>2,381</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>0</u>	gallons
C. Oil to waste oil storage CFA	<u>0</u>	gallons
D. Solvents disposed of	<u>0</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>0</u>	gallons

Comments: * Section II, line G consists of Batches 64, 65 & 66

** only 1,000 gallons transferred.

Signature

RW Hengeler

Date

9/4/85

RWH/GPD:epb 7/7/83

69/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	7/11/85	322,208	gallons
(date)			
B. Sanitary Waste Analysis sample collected	7/11/85	544,202	gallons
(date)			
C. Production Well Volume		17,663,000	gallons
D. Boiler Blowdown Volume		1,200	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	2,700	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	---	---	---	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	238	1,150	1,150	gallons **
A.3. Bldg. 752, Batch No. L & O.....	927	1,700	1,700	gallons
A.4. Bldg. 768, Batch No. Power Plant	---	---	---	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---	---	---	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---	---	---	gallons
A.7. Bldg. 793, Batch No. SCMS.....	---	---	---	gallons
B. Total feed tanks evaporated (Batch numbers _____)		---	---	number
C. Total volume evaporated		---	---	gallons
D. Total untreated volume to I.W. Drains		725	725	gallons
D.1. Bldg. 720, Batch No. TREAT.....	47	725	725	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---	---	---	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	---	---	---	gallons
D.4. Bldg. 768, Batch No. Power Plant	---	---	---	gallons
E. Total evaporator condensate to I.W. Drains		---	---	gallons
F. Total volume to I.W. Drains (Line D + E)		725	725	gallons
G. Total volume processed in RLWTF, Building 798		2,773	2,773	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite	1.3	pounds
B. NA ₃ PO ₄ - Phosphate	4.2	pounds
C. Na OH - Caustic	4.2	pounds
D. Betz NEUTREMEN	1/4	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	13,533	gallons
B. Fuel oil purchased for Buildings 721	---	gallons
C. Oil to waste oil storage CFA	---	gallons
D. Solvents disposed of	---	gallons
E. Waste oil used as fuel oil in auxiliary boilers	55	gallons

Comments: * Section II, Line G, consists of Batches 61, 62 & 63

** Only 1000 Transferred

mhill
Signature8-2-85
Date

RWH/GPD:epb 7/7/83

70 / 135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	06/08/85	323,488	gallons
(date)			
B. Sanitary Waste Analysis sample collected	06/08/85	557,446	gallons
(date)			
C. Production Well Volume		16,441,000	gallons
D. Boiler Blowdown Volume		500	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	----- gallons
RLWTF Facility	<input type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....	-----	-----	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	-----	-----	gallons
A.3. Bldg. 752, Batch No. L & O.....	-----	-----	gallons
A.4. Bldg. 768, Batch No. Power Plant	-----	-----	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	-----	-----	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	-----	-----	gallons
A.7. Bldg. 793, Batch No. SCMS.....	-----	-----	gallons
B. Total feed tanks evaporated (Batch numbers)		-----	number
C. Total volume evaporated		-----	gallons
D. Total untreated volume to I.W. Drains		1,100	gallons
D.1. Bldg. 720, Batch No. TREAT.....	---	-----	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---	-----	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	110	-----	gallons
D.4. Bldg. 768, Batch No. Power Plant	---	-----	gallons
E. Total evaporator condensate to I.W. Drains		-----	gallons
F. Total volume to I.W. Drains (Line D + E)		1,100	gallons
G. Total volume processed in RLWTF, Building 798		-----	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	0.2	pounds
B. NA ₃ PO ₄ - Phosphate	0	pounds
C. Na OH - Caustic	0	pounds
D. Betz NEUTREMEEN	0	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	3,671	gallons
B. Fuel oil purchased for Buildings 721	0	gallons
C. Oil to waste oil storage CFA	0	gallons
D. Solvents disposed of	0	gallons
E. Waste oil used as fuel oil in auxiliary boilers	75	gallons

Comments: _____

Signature

RW Hungler

Date

7/2/85

RWH/GPD:epb 7/7/83

71/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>05/25/85</u>	<u>446,560</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>05/25/85</u>	<u>576,073</u>	gallons
(date)			
C. Production Well Volume		<u>9,369,000</u>	gallons
D. Boiler Blowdown Volume		<u>600</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input checked="" type="checkbox"/>	(check one)	<u>---</u>	gallons
RLWTF Facility				
A.1. Bldg. 720, Batch No. TREAT.....		<u>---</u>	gallons	
A.2. Bldg. 765, Batch No. HFEF/S.....		<u>---</u>	gallons	
A.3. Bldg. 752, Batch No. L & O.....		<u>---</u>	gallons	
A.4. Bldg. 768, Batch No. Power Plant		<u>---</u>	gallons	
A.5. Bldg. 774, Batch No. ZPPR.....		<u>---</u>	gallons	
A.6. Bldg. 785, Batch No. HFEF/N.....		<u>---</u>	gallons	
A.7. Bldg. 793, Batch No. SCMS.....		<u>---</u>	gallons	
B. Total feed tanks evaporated	(Batch numbers _____)		<u>---</u>	number
C. Total volume evaporated			<u>---</u>	gallons
D. Total untreated volume to I.W. Drains			<u>750</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>46</u>		<u>750</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>---</u>		<u>---</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>		<u>---</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>---</u>		<u>---</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>---</u>	gallons
F. Total volume to I.W. Drains (Line D + E)			<u>750</u>	gallons
G. Total volume processed in RLWTF, Building 798			<u>3,000</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>3.4</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>0.9</u>	pounds
C. Na OH - Caustic	<u>1.9</u>	pounds
D. Betz NEUTREMEEEN	<u>0.6</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>42,188</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u>	gallons

Comments: * Section II, Line G Consists of Batches 57, 58, 59, & 60.

Signature

Date

6/4/85

RWH/GPD:epb 7/7/83

72/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	04/06/85	314,224	gallons
	(date)		
B. Sanitary Waste Analysis sample collected	04/06/85	605,822	gallons
	(date)		
C. Production Well Volume		8,300,000	gallons
D. Boiler Blowdown Volume		800	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	5,900	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	---		---	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	236 & 237		1,400	gallons
A.3. Bldg. 752, Batch No. L & O.....	926		2,000	gallons
A.4. Bldg. 768, Batch No. Power Plant	---		---	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---		---	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---		---	gallons
A.7. Bldg. 793, Batch No. SCMS.....	15		2,500	gallons
B. Total feed tanks evaporated (Batch numbers _____)			---	number
C. Total volume evaporated			---	gallons
D. Total untreated volume to I.W. Drains			1,125	gallons
D.1. Bldg. 720, Batch No. TREAT.....	---		---	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---		---	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	109		1,125	gallons
D.4. Bldg. 768, Batch No. Power Plant	---		---	gallons
E. Total evaporator condensate to I.W. Drains			5,870	gallons *
F. Total volume to I.W. Drains (Line D + E)			6,995	gallons
G. Total volume processed in RLWTF, Building 798			5,000	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite		2.4	pounds
B. NA ₃ PO ₄ - Phosphate		3.3	pounds
C. Na OH - Caustic		6.0	pounds
D. Betz NEUTREMEN		0.7	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		40,596	gallons
B. Fuel oil purchased for Buildings 721		396	gallons
C. Oil to waste oil storage CFA		---	gallons
D. Solvents disposed of		---	gallons
E. Waste oil used as fuel oil in auxiliary boilers		155	gallons

Comments: * Refer to notes on L&O Bldg. 752 Batch 908

** Section II, Line G consists of Batches 52, 53, 54, 55 & 56

Signature

RW Burzeler

Date

5/2/85

RWH/GPD:epb 7/7/83

73/135

Month of March, 1985I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>-----</u>	<u>265,760</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>-----</u>	<u>1,105,181</u>	gallons
(date)			
C. Production Well Volume		<u>14,070,000</u>	gallons
D. Boiler Blowdown Volume		<u>600</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/>	(check one)	<u>3,225</u>	gallons
RLWTF Facility <input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	<u>-----</u>	<u>-----</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>233</u>	<u>1,225</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>925</u>	<u>2,000</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>-----</u>	<u>-----</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>-----</u>	<u>-----</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>-----</u>	<u>-----</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>-----</u>	<u>-----</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)		<u>-----</u>	number
C. Total volume evaporated		<u>-----</u>	gallons
D. Total untreated volume to I.W. Drains		<u>3,100</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>45</u>	<u>700</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>-----</u>	<u>-----</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>-----</u>	<u>-----</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>-----</u>	<u>-----</u>	gallons
E. Total evaporator condensate to I.W. Drains	<u>235</u> (truck lock tank)	<u>2,400</u>	gallons
F. Total volume to I.W. Drains (Line D + E)		<u>3,100</u>	gallons
G. Total volume processed in RLWTF, Building 798		<u>2,000</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>1.7</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>1.9</u>	pounds
C. Na OH - Caustic	<u>6.0</u>	pounds
D. Betz NEUTREMEN	<u>0.1</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>4,467</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-----</u>	gallons
C. Oil to waste oil storage CFA	<u>-----</u>	gallons
D. Solvents disposed of	<u>-----</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>21</u>	gallons

Comments: * Section II, line G - consists of Batch 50 & 51.

Signature

R.W. Buerger

Date

4/2/85

RWH/GPD:epb 7/7/83

74 | 135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>-----</u>	<u>234,592</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>---</u>	<u>490,997</u>	gallons
(date)			
C. Production Well Volume		<u>9,332,000</u>	gallons
D. Boiler Blowdown Volume		<u>800</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>600</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>		<u>---</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>232</u>		<u>600</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>---</u>		<u>---</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>---</u>		<u>---</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>---</u>		<u>---</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>		<u>---</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>---</u>		<u>---</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)			<u>---</u>	number
C. Total volume evaporated			<u>---</u>	gallons
D. Total untreated volume to I.W. Drains			<u>3,800</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>		<u>---</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>---</u>		<u>---</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>108</u>		<u>1,000</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>---</u>		<u>---</u>	gallons
D.5. Bldg. 765, Batch No. HFEF/S	<u>234</u>	Truck Lock Tank	<u>2,800</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>3,800</u>	gallons
F. Total volume to I.W. Drains (Line D + E)		<i>charged per tile - ton</i>	<u>1,000</u>	gallons
G. Total volume processed in RLWTF, Building 798		<i>with R. Hargrave</i>	<u>600</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite		<u>1.3</u>	pounds
B. NA ₃ PO ₄ - Phosphate		<u>1.9</u>	pounds
C. Na OH - Caustic		<u>7.0</u>	pounds
D. Betz NEUTREMEN		<u>0.5</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		<u>47,476</u>	gallons
B. Fuel oil purchased for Buildings 721		<u>---</u>	gallons
C. Oil to waste oil storage CFA		<u>---</u>	gallons
D. Solvents disposed of		<u>---</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers		<u>100</u>	gallons

Comments: *Section II line G - Batch 49

Signature

R.W. Hargrave

Date

3/1/85

RWH/GPD:epb 7/7/83

75/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>---</u>	<u>308,928</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>---</u>	<u>491,379</u>	gallons
(date)			
C. Production Well Volume		<u>13,073,000</u>	gallons
D. Boiler Blowdown Volume		<u>12,000</u>	gallons *

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>2,510</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	<u>---</u>		<u>---</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>231</u>		<u>960</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>924</u>		<u>1,550</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>---</u>		<u>---</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>---</u>		<u>---</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>		<u>---</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>---</u>		<u>---</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)			<u>---</u>	number
C. Total volume evaporated			<u>---</u>	gallons
D. Total untreated volume to I.W. Drains			<u>750</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>44</u>		<u>750</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>---</u>		<u>---</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>---</u>		<u>---</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>---</u>		<u>---</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>---</u>	gallons
F. Total volume to I.W. Drains (Line D + E)			<u>750</u>	gallons
G. Total volume processed in RLWTF, Building 798			<u>2,580</u>	gallons *

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>22.1</u>	pounds)
B. NA ₃ PO ₄ - Phosphate	<u>3.75</u>	pounds) *
C. Na OH - Caustic	<u>11.9</u>	pounds)
D. Betz NEUTREMEN	<u>0.4</u>	gallons-

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>24,183</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>321</u>	gallons
C. Oil to waste oil storage CFA	<u>---</u>	gallons
D. Solvents disposed of	<u>---</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>6.5</u>	gallons

Comments: * Large amounts due to Dearator Tank being out of service & chemical control
of boilers is erratic.

** Section II line G consists of Batches 46, 47, & 48

Signature

R. W. Schenckler

1/31/85

Date

RWH/GPD:epb 7/7/83

76/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	---	263,088	gallons
(date)			
B. Sanitary Waste Analysis sample collected	---	389,226	gallons
(date)			
C. Production Well Volume		8,256,000	gallons
D. Boiler Blowdown Volume		* 8,000	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input checked="" type="checkbox"/>	(check one)	-0-	gallons
RLWTF Facility	<input type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	---		-0-	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	---		-0-	gallons
A.3. Bldg. 752, Batch No. L & O.....	---		-0-	gallons
A.4. Bldg. 768, Batch No. Power Plant	---		-0-	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	---		-0-	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	---		-0-	gallons
A.7. Bldg. 793, Batch No. SCMS.....	---		-0-	gallons
B. Total feed tanks evaporated (Batch numbers _____)			-0-	number
C. Total volume evaporated			-0-	gallons
D. Total untreated volume to I.W. Drains			1,160	gallons
D.1. Bldg. 720, Batch No. TREAT.....	---		-0-	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	---		-0-	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	107		1,160	gallons
D.4. Bldg. 768, Batch No. Power Plant	---		-0-	gallons
E. Total evaporator condensate to I.W. Drains			-0-	gallons
F. Total volume to I.W. Drains (Line D + E)			1,160	gallons
G. Total volume processed in RLWTF, Building 798			** 600	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	14.0	pounds
B. NA ₃ PO ₄ - Phosphate	5.25	pounds
C. Na OH - Caustic	55.5	pounds
D. Betz NEUTREMEN	1.75	gallons
E. Betz Hydrazene	0.5	pounds

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	74,939	gallons
B. Fuel oil purchased for Buildings 721	234	gallons
C. Oil to waste oil storage CFA	-0-	gallons
D. Solvents disposed of	-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers	15	gallons

Comments: * large amounts due to Deaerator tank being out of service and chemical control
of Boilers is erratic

** Section II line G consists of Batch 45.

Signature

RW Hugeler

1/2/85
Date

RWH/GPD:epb 7/7/83

77/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected --- (date)	<u>265,904</u> gallons
B. Sanitary Waste Analysis sample collected --- (date)	<u>427,311</u> gallons
C. Production Well Volume	<u>13,040,000</u> gallons
D. Boiler Blowdown Volume	<u>500</u> gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input type="checkbox"/> RLWTF Facility <input checked="" type="checkbox"/> (check one)	<u>2,700</u> gallons
A.1. Bldg. 720, Batch No. TREAT.....	<u>---</u> gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>230</u> gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>923</u> gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>---</u> gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>---</u> gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>---</u> gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>---</u> gallons
B. Total feed tanks evaporated (Batch numbers _____)	<u>-0-</u> number
C. Total volume evaporated	<u>-0-</u> gallons
D. Total untreated volume to I.W. Drains	<u>982</u> gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>43</u> gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>--</u> gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>--</u> gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>--</u> gallons
E. Total evaporator condensate to I.W. Drains	<u>-0-</u> gallons
F. Total volume to I.W. Drains (Line D + E)	<u>982</u> gallons
G. Total volume processed in RLWTF, Building 798	<u>3,285 *</u> gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>2.8</u> pounds
B. Na ₃ PO ₄ - Phosphate	<u>1.1</u> pounds
C. Na OH - Caustic	<u>5.0</u> pounds
D. Betz NEUTREMEEN	<u>0.0</u> gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>6,347</u> gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u> gallons
C. Oil to waste oil storage CFA	<u>-0-</u> gallons
D. Solvents disposed of	<u>-0-</u> gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u> gallons

Comments: * Section II, line G consists of RLWTF Batches #41, #42, #43, & #44.

Signature Rodney L. Engle

12/5/84
Date

RWH/GPD:epb 7/7/83

78
135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>10/14/84</u>	<u>350,400</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>10/14/84</u>	<u>470,168</u>	gallons
(date)			

C. Production Well Volume	<u>12,820,000</u>	gallons
D. Boiler Blowdown Volume	<u>600</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>1,285</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			

A.1. Bldg. 720, Batch No. TREAT.....	<u>--</u>	-0-	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>229</u>	1,000	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>--</u>	-0-	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>--</u>	-0-	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>--</u>	-0-	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>106</u>	285	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>--</u>	-0-	gallons

B. Total feed tanks evaporated (Batch numbers _____)		-0-	number
---	--	-----	--------

C. Total volume evaporated		-0-	gallons
----------------------------	--	-----	---------

D. Total untreated volume to I.W. Drains		<u>1,060</u>	gallons
--	--	--------------	---------

D.1. Bldg. 720, Batch No. TREAT.....	<u>--</u>	-0-	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>--</u>	-0-	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>105</u>	1,060	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>--</u>	-0-	gallons

E. Total evaporator condensate to I.W. Drains		-0-	gallons
---	--	-----	---------

F. Total volume to I.W. Drains (Line D + E)		<u>1,060</u>	gallons
---	--	--------------	---------

G. Total volume processed in RLWTF, Building 798		<u>1,539*</u>	gallons
--	--	---------------	---------

III. CHEMICALS:

- A. Na SO₃ - Sulfite
- B. NA₃PO₄ - Phosphate
- C. Na OH - Caustic
- D. Betz NEUTREMEN

6 liter
this is a corrected
copy. I made the
mistake. Sorry

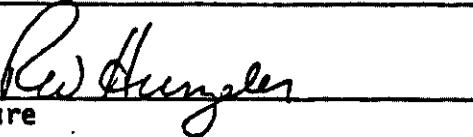
11/14/84 RWH
35.0 35 pounds
2.8 pounds
8.3 pounds
0.4 gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>RWH</u>	<u>13,063</u>	gallons
B. Fuel oil purchased for Buildings 721		-0-	gallons
C. Oil to waste oil storage CFA		-0-	gallons
D. Solvents disposed of		-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers		-0-	gallons

Comments: *Large amounts due to Deaerator tank being out of service in auxiliary boiler room and chemical control is unstable.

**Section II, line G consists of RLWTF batches #39 and #40.



11/5/84
Date

RWH/GPD:epb 7/7/83

79/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>9/5/84</u>	<u>290,448</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>9/25/84</u>	<u>405,016</u>	gallons
(date)			

C. Production Well Volume	<u>16,213,000</u>	gallons
D. Boiler Blowdown Volume	<u>7,100</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>1,600</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			

A.1. Bldg. 720, Batch No. TREAT.....	<u>--</u>	-0-	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>--</u>	-0-	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>922</u>	1,600	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>--</u>	-0-	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>--</u>	-0-	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>--</u>	-0-	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>--</u>	-0-	gallons

B. Total feed tanks evaporated			
(Batch numbers)	

<u>-0-</u>	number
------------	--------

C. Total volume evaporated			
----------------------------	--	--	--

<u>-0-</u>	gallons
------------	---------

D. Total untreated volume to I.W. Drains			
--	--	--	--

<u>-0-</u>	gallons
------------	---------

D.1. Bldg. 720, Batch No. TREAT.....	<u>--</u>	-0-	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>--</u>	-0-	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>--</u>	-0-	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>--</u>	-0-	gallons

E. Total evaporator condensate to I.W. Drains			
---	--	--	--

<u>-0-</u>	gallons
------------	---------

F. Total volume to I.W. Drains (Line D + E)			
---	--	--	--

<u>-0-</u>	gallons
------------	---------

G. Total volume processed in RLWTF, Building 798			
--	--	--	--

<u>1,270</u>	gallons
--------------	---------

*	
---	--

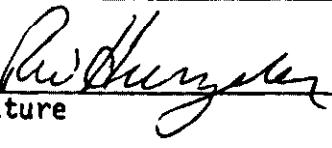
III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>3.0</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>3.25</u>	pounds
C. Na OH - Caustic	<u>6.0</u>	pounds
D. Betz NEUTREMEEEN	<u>0.15</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>6,516</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u>	gallons

Comments: *Large amount of boiler blowdown due to annual inspection. #1, #3, #4 boilers and the Deaerator tank was drained. **Section II, line G consists of batches #37 and #38.



10/02/84

Date

RWH/GPD:epb 7/7/83

50/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	08/11/84	263,072	gallons
(date)			
B. Sanitary Waste Analysis sample collected	08/11/84	392,077	gallons
(date)			
C. Production Well Volume		17,053,000	gallons
D. Boiler Blowdown Volume		600	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	5,280	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	-	0	gallons	
A.2. Bldg. 765, Batch No. HFEF/S.....	228	1,000	gallons	
A.3. Bldg. 752, Batch No. L & O.....	92T	1,880	gallons	
A.4. Bldg. 768, Batch No. Power Plant	-	0	gallons	
A.5. Bldg. 774, Batch No. ZPPR.....	-	0	gallons	
A.6. Bldg. 785, Batch No. HFEF/N.....	-	0	gallons	
A.7. Bldg. 793, Batch No. SCMS.....	14	2,400	gallons	
B. Total feed tanks evaporated (Batch numbers _____)		0	number	
C. Total volume evaporated		0	gallons	
D. Total untreated volume to I.W. Drains		1,730	gallons	
D.1. Bldg. 720, Batch No. TREAT.....	42	730	gallons	
D.2. Bldg. 774, Batch No. ZPPR.....	-	0	gallons	
D.3. Bldg. 785, Batch No. HFEF/N.....	104	1,000	gallons	
D.4. Bldg. 768, Batch No. Power Plant	-	0	gallons	
E. Total evaporator condensate to I.W. Drains		0	gallons	
F. Total volume to I.W. Drains (Line D + E)		1,730	gallons	
G. Total volume processed in RLWTF, Building 798		3,875*	gallons	

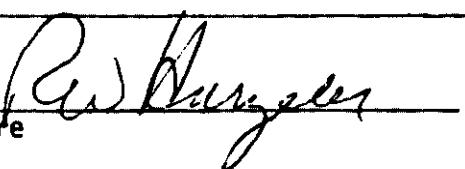
III CHEMICALS:

A. Na SO ₃ - Sulfite	0	pounds
B. NA ₃ PO ₄ - Phosphate	1.25	pounds
C. Na OH - Caustic	1.4	pounds
D. Betz NEUTREMEEN	0.1	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	6,523	gallons
B. Fuel oil purchased for Buildings 721	0	gallons
C. Oil to waste oil storage CFA	0	gallons
D. Solvents disposed of	0	gallons
E. Waste oil used as fuel oil in auxiliary boilers	165	gallons

Comments: *Section II, Line G consists of Batches #33, #34, #35 and #36.



9/6/84

Date

RWH/GPD:epb 7/7/83

81/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>7/1/84</u>	<u>276,384</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>7/1/84</u>	<u>358,465</u>	gallons
(date)			
C. Production Well Volume		<u>13,393,000</u>	gallons
D. Boiler Blowdown Volume		<u>500</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>2,900</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	--		<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>227</u>		<u>1,000</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	--		<u>-0-</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	--		<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	--		<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	--		<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>13</u>		<u>1,900</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)			<u>-0-</u>	number
C. Total volume evaporated			<u>-0-</u>	gallons
D. Total untreated volume to I.W. Drains			<u>820</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	<u>41</u>		<u>820</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	--		<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	--		<u>-0-</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	--		<u>-0-</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>-0-</u>	gallons
F. Total volume to I.W. Drains (Line D + E)			<u>820</u>	gallons
G. Total volume processed in RLWTF, Building 798			<u>2,745*</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite		<u>0.25</u>	pounds
B. NA ₃ PO ₄ - Phosphate		<u>1.75</u>	pounds
C. Na OH - Caustic		<u>2 oz.</u>	_____
D. Betz NEUTREEMEN		<u>0.25</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		<u>9,710</u>	gallons
B. Fuel oil purchased for Buildings 721		<u>-0-</u>	gallons
C. Oil to waste oil storage CFA		<u>-0-</u>	gallons
D. Solvents disposed of		<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers		<u>125</u>	gallons

Comments: *Section II, line G, consists of batches #30, 31 & 32.

Reed Hargrave
Signature

8/1/84
Date

RWH/GPD:epb 7/7/83

82/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>6/3/84</u>	<u>263,632</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>6/2/84</u>	<u>348,728</u>	gallons
(date)			
C. Production Well Volume		<u>13,647,000</u>	gallons
D. Boiler Blowdown Volume		<u>500</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>2,900</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	--		<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	--		<u>-0-</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	920		<u>1,000</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	--		<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	--		<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	--		<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	13		<u>1,900</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)			<u>-0-</u>	number
C. Total volume evaporated			<u>-0-</u>	gallons
D. Total untreated volume to I.W. Drains			<u>1,750</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....	40		<u>750</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	--		<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	103		<u>1,000</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	--		<u>-0-</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>-0-</u>	gallons
F. Total volume to I.W. Drains (Line D + E)			<u>1,750</u>	gallons
G. Total volume processed in RLWTF, Building 798			<u>1,000*</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite		<u>1.06</u>	pounds
B. NA ₃ PO ₄ - Phosphate		<u>2.0</u>	pounds
C. Na OH - Caustic		<u>3.9</u>	pounds
D. Betz NEUTREMEEN		<u>-0.5</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		<u>20,843</u>	gallons
B. Fuel oil purchased for Buildings 721		<u>-0-</u>	gallons
C. Oil to waste oil storage CFA		<u>-0-</u>	gallons
D. Solvents disposed of		<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers		<u>-0-</u>	gallons

Comments: *Section II, line G, consists of batch #29.

mpf
Signature

7/2/84
Date

RWH/GPD:epb 7/7/83

83/155

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	5/4/84	245,312	gallons
	(date)		
B. Sanitary Waste Analysis sample collected	5/4/84	304,271	gallons
	(date)		
C. Production Well Volume		9,309,000	gallons
D. Boiler Blowdown Volume		100	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	1,710	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	--	-0-	gallons	
A.2. Bldg. 765, Batch No. HFEF/S.....	--	-0-	gallons	
A.3. Bldg. 752, Batch No. L & O.....	919	1,710	gallons	
A.4. Bldg. 768, Batch No. Power Plant	--	-0-	gallons	
A.5. Bldg. 774, Batch No. ZPPR.....	--	-0-	gallons	
A.6. Bldg. 785, Batch No. HFEF/N.....	--	-0-	gallons	
A.7. Bldg. 793, Batch No. SCMS.....	--	-0-	gallons	
B. Total feed tanks evaporated (Batch numbers _____)		-0-	number	
C. Total volume evaporated		-0-	gallons	
D. Total untreated volume to I.W. Drains		770	gallons	
D.1. Bldg. 720, Batch No. TREAT.....	39	770	gallons	
D.2. Bldg. 774, Batch No. ZPPR.....	--	-0-	gallons	
D.3. Bldg. 785, Batch No. HFEF/N.....	--	-0-	gallons	
D.4. Bldg. 768, Batch No. Power Plant	--	-0-	gallons	
E. Total evaporator condensate to I.W. Drains		-0-	gallons	
F. Total volume to I.W. Drains (Line D + E)		770	gallons	
G. Total volume processed in RLWTF, Building 798		2,576*	gallons	

III. CHEMICALS:

A. Na SO ₃ - Sulfite	1.0	pounds
B. Na ₃ PO ₄ - Phosphate	5.2	pounds
C. Na OH - Caustic	5.95	pounds
D. Betz NEUTREMEEN	0.5	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	39,270	gallons
B. Fuel oil purchased for Buildings 721	354	gallons
C. Oil to waste oil storage CFA	-0-	gallons
D. Solvents disposed of	-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers	85	gallons

Comments: *Section II, Line G, consists of RLWTF batches 26, 27 & 28.



6/5/84
Date

RWH/GPD:epb 7/7/83

84/155

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	4/5/84	188,384	gallons
(date)			
B. Sanitary Waste Analysis sample collected	4/5/84	254,987	gallons
(date)			

C. Production Well Volume	6,912,000	gallons
D. Boiler Blowdown Volume	500	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	3,450	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	--		--	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	226		850	gallons
A.3. Bldg. 752, Batch No. L & O.....	918		2,600	gallons
A.4. Bldg. 768, Batch No. Power Plant	--		--	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	--		--	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	--		--	gallons
A.7. Bldg. 793, Batch No. SCMS.....	--		--	gallons
B. Total feed tanks evaporated (Batch numbers _____)			--	number
C. Total volume evaporated			--	gallons
D. Total untreated volume to I.W. Drains			1,000	gallons
D.1. Bldg. 720, Batch No. TREAT.....	--		--	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	--		--	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	102		1,000	gallons
D.4. Bldg. 768, Batch No. Power Plant	--		--	gallons
E. Total evaporator condensate to I.W. Drains			--	gallons
F. Total volume to I.W. Drains (Line D + E)			1,000	gallons
G. Total volume processed in RLWTF, Building 798			5,987*	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	1.65	pounds
B. NA ₃ PO ₄ - Phosphate	2.5	pounds
C. Na OH - Caustic	5.25	pounds
D. Betz NEUTREMEEN	0.5	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	46,279	gallons
B. Fuel oil purchased for Buildings 721	--	gallons
C. Oil to waste oil storage CFA	--	gallons
D. Solvents disposed of	--	gallons
E. Waste oil used as fuel oil in auxiliary boilers	--	gallons

Comments: *Section II, line G, consists of RLWTF batches 19, 20, 21, 22, 23, 24 & 25.



5/3/84
Date

RWH/GPD:epb 7/7/83

85/155

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	--	<u>175,712</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	--	<u>295,040</u>	gallons
(date)			
C. Production Well Volume		<u>10,259,000</u>	gallons
D. Boiler Blowdown Volume		<u>200</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input checked="" type="checkbox"/>	<u>1,600</u>	(check one)
RLWTF Facility	<input checked="" type="checkbox"/>	<u>2,600</u>	
Via Tk. Trailer			
A.1. Bldg. 720, Batch No. TREAT.....		<u>-</u>	-0- gallons
A.2. Bldg. 765, Batch No. HFEF/S.....		<u>225</u>	1,600 gallons
A.3. Bldg. 752, Batch No. L & O.....		<u>917</u>	2,600 gallons
A.4. Bldg. 768, Batch No. Power Plant		<u>--</u>	-0- gallons
A.5. Bldg. 774, Batch No. ZPPR.....		<u>--</u>	-0- gallons
A.6. Bldg. 785, Batch No. HFEF/N.....		<u>--</u>	-0- gallons
A.7. Bldg. 793, Batch No. SCMS.....		<u>--</u>	-0- gallons
B. Total feed tanks evaporated (Batch numbers _____)		<u>-0-</u>	number
C. Total volume evaporated		<u>-0-</u>	gallons
D. Total untreated volume to I.W. Drains		<u>735</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....		<u>38</u>	735 gallons
D.2. Bldg. 774, Batch No. ZPPR.....		<u>--</u>	-0- gallons
D.3. Bldg. 785, Batch No. HFEF/N.....		<u>--</u>	-0- gallons
D.4. Bldg. 768, Batch No. Power Plant		<u>--</u>	-0- gallons
E. Total evaporator condensate to I.W. Drains		<u>-0-</u>	gallons
F. Total volume to I.W. Drains (Line D + E)		<u>735</u>	gallons
G. Total volume processed in RLWTF, Building 798		<u>1,000*</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>0.6</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>0.0</u>	pounds
C. Na OH - Caustic	<u>0.4</u>	pounds
D. Betz NEUTREMEN	<u>0.4</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>28,393</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>130</u>	gallons

Comments: *Section II, Line G, consists of RLWTF batch #18



4/2/84
Date

RWH/GPD:epb 7/7/83

86/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	--	168,464	gallons
(date)			
B. Sanitary Waste Analysis sample collected	--	303,494	gallons
(date)			
C. Production Well Volume		6,054,000	gallons
D. Boiler Blowdown Volume		600	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	-0-	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....			-0-	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....			-0-	gallons
A.3. Bldg. 752, Batch No. L & O.....			-0-	gallons
A.4. Bldg. 768, Batch No. Power Plant			-0-	gallons
A.5. Bldg. 774, Batch No. ZPPR.....			-0-	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....			-0-	gallons
A.7. Bldg. 793, Batch No. SCMS.....			-0-	gallons
B. Total feed tanks evaporated	(Batch numbers _____)		-0-	number
C. Total volume evaporated			-0-	gallons
D. Total untreated volume to I.W. Drains			1,675	gallons
D.1. Bldg. 720, Batch No. TREAT.....			-0-	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	9		475	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	101		1,200	gallons
D.4. Bldg. 768, Batch No. Power Plant			-0-	gallons
E. Total evaporator condensate to I.W. Drains			-0-	gallons
F. Total volume to I.W. Drains (Line D + E)			1,675	gallons
G. Total volume processed in RLWTF, Building 798			-0-	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite		1.0	pounds
B. NA ₃ PO ₄ - Phosphate		1.75	pounds
C. Na OH - Caustic		1.0	pounds
D. Betz NEUTREMEEEN		0.8	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		73,778	gallons
B. Fuel oil purchased for Buildings 721		332	gallons
C. Oil to waste oil storage CFA		-0-	gallons
D. Solvents disposed of		-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers		25	gallons

Comments: _____

Signature

*R. D. Hengeler*3/2/84
Date

RWH/GPD:epb 7/7/83

87/135

Month of January, 1984**I. NON-RADIOACTIVE LIQUIDS:**

A. Industrial Waste Analysis sample collected	--	<u>165,536</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	--	<u>357,445</u>	gallons
(date)			
C. Production Well Volume		<u>8,497,000</u>	gallons
D. Boiler Blowdown Volume		<u>700</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	<u>1,000</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....			<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....		<u>224</u>	<u>1,000</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....			<u>-0-</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant			<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....			<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....			<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....			<u>-0-</u>	gallons
B. Total feed tanks evaporated			<u>-0-</u>	number
(Batch numbers _____)				
C. Total volume evaporated			<u>-0-</u>	gallons
D. Total untreated volume to I.W. Drains			<u>730</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....		<u>37</u>	<u>730</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....			<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....			<u>-0-</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant			<u>-0-</u>	gallons
E. Total evaporator condensate to I.W. Drains			<u>-0-</u>	gallons
F. Total volume to I.W. Drains (Line D + E)			<u>730</u>	gallons
G. Total volume processed in RLWTF, Building 798			<u>-0-</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite		<u>1.3</u>	pounds
B. NA ₃ PO ₄ - Phosphate		<u>1.5</u>	pounds
C. Na OH - Caustic		<u>3.1</u>	pounds
D. Betz NEUTREMEEN		<u>1.5</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)		<u>47,018</u>	gallons
B. Fuel oil purchased for Buildings 721		<u>431</u>	gallons
C. Oil to waste oil storage CFA		<u>-0-</u>	gallons
D. Solvents disposed of		<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers		<u>60</u>	gallons

Comments: _____

Signature

R.W. Hegeles

2/2/84

Date

RWH/GPD:epb 7/7/83

88/155

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	--	<u>163,056</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	--	<u>272,383</u>	gallons
(date)			
C. Production Well Volume		<u>11,151,000</u>	gallons
D. Boiler Blowdown Volume		<u>500</u>	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	<u>1,950</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....		<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....		<u>850</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....		<u>1,100</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant		<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....		<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....		<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....		<u>-0-</u>	gallons
B. Total feed tanks evaporated (Batch numbers _____)		<u>-0-</u>	number
C. Total volume evaporated		<u>-0-</u>	gallons
D. Total untreated volume to I.W. Drains		<u>-0-</u>	gallons
D.1. Bldg. 720, Batch No. TREAT.....		<u>-0-</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....		<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....		<u>-0-</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant		<u>-0-</u>	gallons
E. Total evaporator condensate to I.W. Drains		<u>-0-</u>	gallons
F. Total volume to I.W. Drains (Line D + E)		<u>-0-</u>	gallons
G. Total volume processed in RLWTF, Building 798		<u>2,950*</u>	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>1.2</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>1.0</u>	pounds
C. Na OH - Caustic	<u>2.1</u>	pounds
D. Betz NEUTREMEEN	<u>1.2</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>24,568</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u>	gallons

Comments: *Section II, Line G, consists of RLWTF batches #15, #16 & #17



01/03/84

Date

RWH/GPD:epb 7/7/83

89 / 135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	--	169,760	gallons
(date)			
B. Sanitary Waste Analysis sample collected	--	399,053	gallons
(date)			
C. Production Well Volume		8,783,000	gallons
D. Boiler Blowdown Volume		800	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	(check one)	7,270	gallons
RLWTF Facility	<input checked="" type="checkbox"/>			
A.1. Bldg. 720, Batch No. TREAT.....	--	-0-	gallons	
A.2. Bldg. 765, Batch No. HFEF/S.....	--	-0-	gallons	
A.3. Bldg. 752, Batch No. L & O.....	914 & 915	3,800	gallons	
A.4. Bldg. 768, Batch No. Power Plant	6	370	gallons	
A.5. Bldg. 774, Batch No. ZPPR.....	--	-0-	gallons	
A.6. Bldg. 785, Batch No. HFEF/N.....	--	-0-	gallons	
A.7. Bldg. 793, Batch No. SCMS.....	12	3,100	gallons	
B. Total feed tanks evaporated (Batch numbers _____)		-0-	number	
C. Total volume evaporated		-0-	gallons	
D. Total untreated volume to I.W. Drains		1,150	gallons	
D.1. Bldg. 720, Batch No. TREAT.....	--	-0-	gallons	
D.2. Bldg. 774, Batch No. ZPPR.....	--	-0-	gallons	
D.3. Bldg. 785, Batch No. HFEF/N.....	100	1,150	gallons	
D.4. Bldg. 768, Batch No. Power Plant	--	-0-	gallons	
E. Total evaporator condensate to I.W. Drains		2,450	gallons	
F. Total volume to I.W. Drains (Line D + E)		3,600	gallons	
G. Total volume processed in RLWTF, Building 798		3,380 *	gallons	

III CHEMICALS:

A. Na SO ₃ - Sulfite	1.6	pounds
B. Na ₃ PO ₄ - Phosphate	1.6	pounds
C. Na OH - Caustic	4.6	pounds
D. Betz NEUTREMEEN	1.0	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	35,956	gallons
B. Fuel oil purchased for Buildings 721	-0-	gallons
C. Oil to waste oil storage CFA	-0-	gallons
D. Solvents disposed of	-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers	133	gallons

Comments: *Section II Line G consists of RLWTF batches #11, #12, #13, & #14

R.W. Hargraves by msp
Signature

12/2/83
Date

RWH/GPD:epb 7/7/83

90/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	<u>10/05/83</u>	<u>193,616</u>	gallons
(date)			
B. Sanitary Waste Analysis sample collected	<u>10/02/83</u>	<u>276,908</u>	gallons
(date)			

C. Production Well Volume	<u>12,939,000</u>	gallons
D. Boiler Blowdown Volume	<u>700</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	<u>2,640</u>	gallons
RLWTF Facility	<input checked="" type="checkbox"/>		

A.1. Bldg. 720, Batch No. TREAT.....	<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>1,000</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>1,640</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>-0-</u>	gallons

B. Total feed tanks evaporated
(Batch numbers _____)

-0- number

C. Total volume evaporated

-0- gallons

D. Total untreated volume to I.W. Drains

-0- gallons

D.1. Bldg. 720, Batch No. TREAT.....	<u>-0-</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR.....	<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	<u>-0-</u>	gallons
D.4. Bldg. 768, Batch No. Power Plant	<u>-0-</u>	gallons

E. Total evaporator condensate to I.W. Drains

-0- gallons

F. Total volume to I.W. Drains (Line D + E)

-0- gallons

G.* Total volume processed in RLWTF, Building 798

2,640 gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>0.4</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>0.4</u>	pounds
C. Na OH - Caustic	<u>1.4</u>	pounds
D. Betz NEUTREMEEN	<u>-0-</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>1,966</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u>	gallons

Comments: L&O batch 913 originally was 1000 gallons, gauge error and flushing water

were the factors that caused 1640 gallons to go to RLWTF. *G = RLWTF batch # : 8,9,10

RW Burgesley
Signature

11/2/83
Date

RWH/GPD:epb 7/7/83

91/133

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected	09/04/83	178,848	gallons
(date)			
B. Sanitary Waste Analysis sample collected	09/03/83	283,785	gallons
(date)			
C. Production Well Volume		11,611,000	gallons
D. Boiler Blowdown Volume		1,000	gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility	<input type="checkbox"/>	3,000	gallons
RLWTF Facility	<input checked="" type="checkbox"/>		
A.1. Bldg. 720, Batch No. TREAT.....		-0-	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....		-0-	gallons
A.3. Bldg. 752, Batch No. L & O.....	912	1,000	gallons
A.4. Bldg. 768, Batch No. Power Plant		-0-	gallons
A.5. Bldg. 774, Batch No. ZPPR.....		-0-	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....		-0-	gallons
A.7. Bldg. 793, Batch No. SCMS.....	11	2,000	gallons
B. Total feed tanks evaporated (Batch numbers _____)		-0-	number
C. Total volume evaporated		-0-	gallons
D. Total untreated volume to I.W. Drains		1,970	gallons
D.1. Bldg. 720, Batch No. TREAT.....	36	870	gallons
D.2. Bldg. 774, Batch No. ZPPR.....		-0-	gallons
D.3. Bldg. 785, Batch No. HFEF/N.....	99	1,100	gallons
D.4. Bldg. 768, Batch No. Power Plant		-0-	gallons
E. Total evaporator condensate to I.W. Drains		-0-	gallons
F. Total volume to I.W. Drains (Line D + E)		1,970	gallons
G. Total volume processed in RLWTF, Building 798		3,930	gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	2.4	pounds
B. NA ₃ PO ₄ - Phosphate	4.8	pounds
C. Na OH - Caustic	15.3	pounds
D. Betz NEUTREMEEN	0.2	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	17,183	gallons
B. Fuel oil purchased for Buildings 721	-0-	gallons
C. Oil to waste oil storage CFA	-0-	gallons
D. Solvents disposed of	-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers	115	gallons

Comments: 1)Section III, chemicals-high usage due to refilling aux. blr. after annual inspection by Ins. Co. inspector. 2)Section II line G-RLWTF batches 4, 5, 6 & 7 , 3) Section II line A7-batch #11, bldg. 793, SCMS, originally 3400 gallons but gauge was in error and actually was only 2000.

Signature

R. Burgeles

10/04/83

Date

RWH/GPD:epb 7/7/83

92/135

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected 8/15/83 225.040 gallons
 (date)

B. Sanitary Waste Analysis sample collected 8/13/83 341.088 gallons
 (date)

C. Production Well Volume 15,674.000 gallons
 D. Boiler Blowdown Volume (Annual inspection of blrs. #1, 2 & 4 drained for inspection) 5.500 gallons

II RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility (check one) 4.250 gallons
 RLWTF Facility (check one) -0- gallons

A.1. Bldg. 720, Batch No. TREAT.....	<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S.....	<u>1,250</u>	gallons
A.3. Bldg. 752, Batch No. L & O.....	<u>3,000</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR.....	<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N.....	<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SCMS.....	<u>-0-</u>	gallons

B. Total feed tanks evaporated (Batch numbers _____) -0- number

C. Total volume evaporated -0- gallons

D. Total untreated volume to I.W. Drains 1,075 gallons

D.1. Bldg. 720, Batch No. TREAT..... -- gallons

D.2. Bldg. 774, Batch No. ZPPR..... -- gallons

D.3. Bldg. 785, Batch No. HFEF/N..... 1,075 gallons

D.4. Bldg. 768, Batch No. Power Plant -- gallons

E. Total evaporator condensate to I.W. Drains -0- gallons

F. Total volume to I.W. Drains (Line D + E) 1,075 gallons

G. Total volume processed in RLWTF, Building 798 ** 3,000 gallons

III CHEMICALS:

A. Na SO ₃ - Sulfite	<u>5.1</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>3.5</u>	pounds
C. Na OH - Caustic	<u>0.0</u>	pounds
D. Betz NEUTREEMEN	<u>1/8th</u>	gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>3,809</u>	gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>30</u>	gallons

Comments: *HFEF/S batch 221-in tank in bldg. 765 the liquid level gauge read 1000 gallons - the gauge was in error & we actually transferred 1250 gallons. **batches #1, 2 & 3

RLWTF bldg. 798

Signature

Rickey Angley

Date

9/2/83

RWH/GPD:epb 7/7/83

93/195

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste Analysis sample collected <u>8/1/83</u> (date)	<u>201,824</u> gallons
B. Sanitary Waste Analysis sample collected <u>8/1/83</u> (date)	<u>239,225</u> gallons
C. Production Well Volume	<u>7,276,000</u> gallons
D. Boiler Blowdown Volume	<u>500</u> gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to: L & O Facility <input checked="" type="checkbox"/> RLWTF Facility <input type="checkbox"/>	(check one)	<u>-0-</u> gallons
A.1. Bldg. 720, Batch No. TREAT.....		<u>-0-</u> gallons
A.2. Bldg. 765, Batch No. HFEF/S.....		<u>-0-</u> gallons
A.3. Bldg. 752, Batch No. L & O.....		<u>-0-</u> gallons
A.4. Bldg. 768, Batch No. Power Plant		<u>-0-</u> gallons
A.5. Bldg. 774, Batch No. ZPPR.....		<u>-0-</u> gallons
A.6. Bldg. 785, Batch No. HFEF/N.....		<u>-0-</u> gallons
A.7. Bldg. 793, Batch No. SCMS.....		<u>-0-</u> gallons
B. Total feed tanks evaporated (Batch numbers _____)		<u>-0-</u> number
C. Total volume evaporated		<u>-0-</u> gallons
D. Total untreated volume to I.W. Drains		<u>-0-</u> gallons
D.1. Bldg. 720, Batch No. TREAT..... <u>35</u>		35 <u>710</u> gallons
D.2. Bldg. 774, Batch No. ZPPR.....		<u>-0-</u> gallons
D.3. Bldg. 785, Batch No. HFEF/N.....		<u>-0-</u> gallons
D.4. Bldg. 768, Batch No. Power Plant		<u>-0-</u> gallons
E. Total evaporator condensate to I.W. Drains		<u>-0-</u> gallons
F. Total volume to I.W. Drains (Line D + E)		35 <u>710</u> gallons
G. Total volume processed in RLWTF, Building 798		<u>-0-</u> gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>1.4</u> pounds
B. NA ₃ PO ₄ - Phosphate	<u>2.0</u> pounds
C. Na OH - Caustic	<u>1.8</u> pounds
D. Betz NEUTREMEEN	<u>0.2</u> gallons

IV. OIL AND SOLVENTS

A. Fuel Oil used (Auxiliary Boilers)	<u>10,186</u> gallons
B. Fuel oil purchased for Buildings 721	<u>-0-</u> gallons
C. Oil to waste oil storage CFA	<u>-0-</u> gallons
D. Solvents disposed of	<u>-0-</u> gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>215</u> gallons

Comments: _____

WASTE MANAGEMENT DATA
PLANT SERVICES ANL-WEST

Month of June, 1983**I. NON-RADIOACTIVE LIQUIDS:**

A. Industrial Waste (Analysis sample collected <u>06/04/83</u>)	<u>202,368</u>	gallons
Date		
B. Sanitary Waste (Analysis sample collected <u>06/04/83</u>)	<u>314,509</u>	gallons
BOD sample collected _____ Date		
C. Production Well Volume	<u>3,795,000</u>	gallons
D. Boiler Blowdown Volume	<u>4,006,000</u>	gallons
	<u>200</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to L&O Facility	<u>-0-</u>	gallons
A.1. Bldg. 720, Batch No. Treat <u>--</u>	<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S <u>--</u>	<u>-0-</u>	gallons
A.3. Bldg. 765, Decon-Sink/Shower-System <u>--</u>	<u>-0-</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant <u>--</u>	<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR <u>--</u>	<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N <u>--</u>	<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SOCCO <u>--</u>	<u>-0-</u>	gallons
B. Total feed tanks evaporated (Batch numbers <u>907</u>)	<u>1</u>	number
C. Total volume evaporated	<u>850</u>	gallons
D. Total untreated volume to I.W. Drains	<u>1,200</u>	gallons
D.1. Bldg. 720, Batch No. TREAT <u>--</u>	<u>-0-</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR <u>--</u>	<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N <u>97</u>	<u>1,200</u>	gallons
E. Total evaporator condensate to I.W. Drains	<u>6,600</u>	gallons
F. Total volume to I.W. Drains (Line D + E)	<u>7,800</u>	gallons
G. Total volume to Leach Bed (emergency use only)	<u>-0-</u>	gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>1.6</u>	pounds
B. Na ₃ PO ₄ - Phosphate	<u>0.8</u>	pounds
C. Na OH ⁴ - Caustic	<u>1.1</u>	pounds
D. Betz NEUTREEMEN	<u>0.5</u>	gallons

IV. OIL AND SOLVENTS:

A. Fuel oil used (Auxiliary Boilers)	<u>26,163</u>	gallons
B. Fuel oil purchased for buildings 720, 721 and 789	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>18</u>	gallons

R.W.Hanley
Signed7/6/83
Date

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste (Analysis sample collected <u>5/4/83</u>)	<u>186,192</u>	gallons
Date		
B. Sanitary Waste (Analysis sample collected <u>5/4/83</u>)	<u>400,575</u>	gallons
BOD sample collected _____ Date		
C. Production Well Volume	<u>14,385,000</u>	gallons
D. Boiler Blowdown Volume	<u>500</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to L&O Facility	<u>-0-</u>	gallons
A.1. Bldg. 720, Batch No. TREAT	<u>--</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S	<u>--</u>	gallons
A.3. Bldg. 765, Decor-Sink/Shower-System	<u>--</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>--</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR	<u>--</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N	<u>--</u>	gallons
A.7. Bldg. 793, Batch No. SOCCO	<u>--</u>	gallons
B. Total feed tanks evaporated (Batch numbers <u>906</u>)	<u>1</u>	number
C. Total volume evaporated	<u>800</u>	gallons
D. Total untreated volume to I.W. Drains	<u>760</u>	gallons
D.1. Bldg. 720, Batch No. TREAT	<u>34</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR	<u>--</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N	<u>--</u>	gallons
E. Total evaporator condensate to I.W. Drains	<u>6,350</u>	gallons
F. Total volume to I.W. Drains (Line D + E)	<u>7,110</u>	gallons
G. Total volume to Leach Bed (emergency use only)	<u>-0-</u>	gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>5.0</u>	xpounds
B. NA ₃ PO ₄ - Phosphate	<u>-0-</u>	pounds
C. Na OH - Caustic	<u>2.0</u>	xpounds
D. Batts NEUTRALIZER	<u>1.0</u>	xpounds

IV. OIL AND SOLVENTS:

A. Fuel oil used (Auxiliary Boilers)	<u>2,067</u>	gallons
B. Fuel oil purchased for buildings 720, 721 and 789	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>20</u>	gallons

Signed

R.W. Hazen

Date

6/6/83

Month of April, 1983

I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste (Analysis sample collected _____)	<u>543,936</u>	gallons
Date		
B. Sanitary Waste (Analysis sample collected _____)	<u>326,234</u>	gallons
BOD sample collected _____		
Date		
C. Production Well Volume	<u>11,418,000</u>	gallons
D. Boiler Blowdown Volume	<u>50</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to L&O Facility	<u>1,175</u>	gallons
A.1. Bldg. 720, Batch No. Treat	<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S	<u>220</u>	gallons
A.3. Bldg. 765, Batch No. HFEF/S	220	gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR	<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N	<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SOCCO	<u>-0-</u>	gallons
B. Total feed tanks evaporated (Batch numbers <u>903, 904 & 905</u>)	<u>3</u>	number
C. Total volume evaporated	<u>3,000</u>	gallons
D. Total untreated volume to I.W. Drains	<u>950</u>	gallons
D.1. Bldg. 720, Batch No. TREAT	<u>-0-</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR	<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N	<u>950</u>	gallons
E. Total evaporator condensate to I.W. Drains (High number of gallons due to diverted condition)	<u>14,275</u>	gallons
F. Total volume to I.W. Drains (Line D + E)	<u>15,225</u>	gallons
G. Total volume to Leach Bed (emergency use only)	<u>-0-</u>	gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>1.0</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>1.3</u>	pounds
C. Na OH - Caustic	<u>2.4</u>	pounds
D. Betz NEUTREMEEN	<u>0.1</u>	gallons

IV. OIL AND SOLVENTS:

A. Fuel oil used (Auxiliary Boilers)	<u>12,647</u>	gallons
B. Fuel oil purchased for buildings XXXX , 721 XXXXXX	-0-	gallons
C. Oil to waste oil storage CFA	-0-	gallons
D. Solvents disposed of	-0-	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>37</u>	gallons

Signed

5/2/83

Date

Month of March, 1983I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste (Analysis sample collected <u>--</u>)	<u>192,032</u>	gallons
*This figure includes TREAT #1, 2 & 3 55 gallon drum release to IW that totaled 88 gallons.		
B. Sanitary Waste (Analysis sample collected <u>--</u>)	<u>422,248</u>	gallons
BOD sample collected <u>--</u>		
Date		
C. Production Well Volume	<u>12,686,000</u>	gallons
D. Boiler Blowdown Volume	<u>500</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to L&O Facility	<u>1,620</u>	gallons
A.1. Bldg. 720, Batch No. Treat <u>--</u>	<u>--</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S <u>219</u>	<u>1,000</u>	gallons
A.3. Bldg. 765, Decon Sink/Shower System <u>--</u>	<u>--</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant <u>--</u>	<u>--</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR <u>--</u>	<u>--</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N <u>92 & 95 **(See Below)</u>	<u>620</u>	gallons
A.7. Bldg. 793, Batch No. SOCCO <u>--</u>	<u>--</u>	gallons
B. Total feed tanks evaporated (Batch numbers <u>900, 901 & 902</u>)	<u>3</u>	number
C. Total volume evaporated	<u>3,000</u>	gallons
D. Total untreated volume to I.W. Drains	<u>715</u>	gallons
D.1. Bldg. 720, Batch No. TREAT <u>33</u>	<u>715</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR <u>--</u>	<u>--</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N <u>--</u>	<u>--</u>	gallons
E. Total evaporator condensate to I.W. Drains	<u>3,200</u>	gallons
F. Total volume to I.W. Drains (Line D + E)	<u>3,915</u>	gallons
G. Total volume to Leach Bed (emergency use only)	<u>--</u>	gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>-0-</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>-0-</u>	pounds
C. Na OH ⁴ - Caustic	<u>-0-</u>	pounds
D. Betz NEUTREEMEN	<u>-0-</u>	gallons

IV. OIL AND SOLVENTS:

A. Fuel oil used (Auxiliary Boilers)	<u>83,300</u>	gallons
B. Fuel oil purchased for buildings 720, 721 and 789	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>-0-</u>	gallons

** HFEF/N batches 93 & 94 were not transferred or disposed of,
they both became a part of batch 95.

Signed

04/04/83

Date

Month of February, 19 83**I. NON-RADIOACTIVE LIQUIDS:**

A. Industrial Waste (Analysis sample collected <u> </u>)	<u>164,224</u> gallons
Date	
B. Sanitary Waste (Analysis sample collected <u> </u>)	<u>656,725</u> gallons
BOD sample collected <u> </u>	Date
C. Production Well Volume	<u>7,296,000</u> gallons
D. Boiler Blowdown Volume	<u>500</u> gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to L&O Facility	<u>-0-</u> gallons
A.1. Bldg. 720, Batch No. Treat	<u>-0-</u> gallons
A.2. Bldg. 765, Batch No. HFEF/S	<u>-0-</u> gallons
A.3. Bldg. 765, Decon Sink/Shower System	<u> </u> gallons
A.4. Bldg. 768, Batch No. Power Plant	<u>-0-</u> gallons
A.5. Bldg. 774, Batch No. ZPPR	<u>-0-</u> gallons
A.6. Bldg. 785, Batch No. HFEF/N	<u>-0-</u> gallons
A.7. Bldg. 793, Batch No. SOCCO	<u>-0-</u> gallons
B. Total feed tanks evaporated (Batch numbers <u>899</u>)	<u>1</u> number
C. Total volume evaporated	<u>1,000</u> gallons
D. Total untreated volume to I.W. Drains	<u>1,100</u> gallons
D.1. Bldg. 720, Batch No. TREAT	<u>-0-</u> gallons
D.2. Bldg. 774, Batch No. ZPPR	<u>-0-</u> gallons
D.3. Bldg. 785, Batch No. HFEF/N <u>91</u>	<u>1,100</u> gallons
E. Total evaporator condensate to I.W. Drains	<u>1,000</u> gallons
F. Total volume to I.W. Drains (Line D + E) *88 gallons to IW drains from TREAT Rx. core drilling job.	<u>* 2,188</u> gallons
G. Total volume to Leach Bed (emergency use only)	<u>-0-</u> gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>2.25</u> pounds
B. NA ₃ PO ₄ - Phosphate	<u>2.5</u> pounds
C. Na OH - Caustic	<u>4.2</u> pounds
D. Betz NEUTREMEEN	<u>0.5</u> gallons

IV. OIL AND SOLVENTS:

A. Fuel oil used (Auxiliary Boilers)	<u>73,003</u> gallons
B. Fuel oil purchased for buildings 720, 721 and 789	<u>318</u> gallons
C. Oil to waste oil storage CFA	<u>-0-</u> gallons
D. Solvents disposed of	<u>-0-</u> gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>12</u> gallons

Signed

March 2, 1983
Date

Month of January, 1983I. NON-RADIOACTIVE LIQUIDS:

A. Industrial Waste (Analysis sample collected <u>--</u>)	<u>176,112</u>	gallons
Date		
B. Sanitary Waste (Analysis sample collected <u>--</u>)	<u>503,643</u>	gallons
BOD sample collected <u>--</u>	Date	
C. Production Well Volume	<u>3,141,000</u>	gallons
D. Boiler Blowdown Volume	<u>500</u>	gallons

II. RADIOACTIVE LIQUIDS:

A. Total transferred to L&O Facility	<u>900</u>	gallons
A.1. Bldg. 720, Batch No. Treat <u>--</u>	<u>-0-</u>	gallons
A.2. Bldg. 765, Batch No. HFEF/S <u>218</u>	<u>900</u>	gallons
A.3. Bldg. 765, Decon Sink/Shower System <u>N/A</u>	<u>-0-</u>	gallons
A.4. Bldg. 768, Batch No. Power Plant <u>--</u>	<u>-0-</u>	gallons
A.5. Bldg. 774, Batch No. ZPPR <u>--</u>	<u>-0-</u>	gallons
A.6. Bldg. 785, Batch No. HFEF/N <u>--</u>	<u>-0-</u>	gallons
A.7. Bldg. 793, Batch No. SOCCO <u>--</u>	<u>-0-</u>	gallons
B. Total feed tanks evaporated (Batch numbers <u>898</u>)	<u>1</u>	number
C. Total volume evaporated	<u>900</u>	gallons
D. Total untreated volume to I.W. Drains	<u>720</u>	gallons
D.1. Bldg. 720, Batch No. TREAT <u>32</u>	<u>720</u>	gallons
D.2. Bldg. 774, Batch No. ZPPR <u>--</u>	<u>-0-</u>	gallons
D.3. Bldg. 785, Batch No. HFEF/N <u>--</u>	<u>-0-</u>	gallons
E. Total evaporator condensate to I.W. Drains	<u>1,200</u>	gallons
F. Total volume to I.W. Drains (Line D + E)	<u>1,920</u>	gallons
G. Total volume to Leach Bed (emergency use only)	<u>-0-</u>	gallons

III. CHEMICALS:

A. Na SO ₃ - Sulfite	<u>-0-</u>	pounds
B. NA ₃ PO ₄ - Phosphate	<u>2.25</u>	pounds
C. Na OH ⁴ - Caustic	<u>0.9</u>	pounds
D. Betz NEUTREEMEN	<u>1.0</u>	gallons

IV. OIL AND SOLVENTS:

A. Fuel oil used (Auxiliary Boilers)	<u>103,122</u>	gallons
B. Fuel oil purchased for buildings 720, 721 and 789	<u>-0-</u>	gallons
C. Oil to waste oil storage CFA	<u>-0-</u>	gallons
D. Solvents disposed of	<u>-0-</u>	gallons
E. Waste oil used as fuel oil in auxiliary boilers	<u>90</u>	gallons

Signed

Date